Observations of Seawater Temperature and Salinity at British Columbia Shore Stations, 1984

by
L.F. Giovando

Institute of Ocean Sciences
Department of Fisheries and Oceans
Sidney, B.C. V8L 4B2

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These reports provide a medium for the documentation and dissemination of data in a form directly useable by the scientific and engineering communities.

Generally, the reports will contain raw and/or analyzed data but will not contain interpretations of the data. Such compilations will commonly have been prepared in support of work related to the programs and interests of the Ocean Science and Surveys (OSS) sector of the Department of Fisheries and Oceans.

Data Reports are produced regionally but are numbered and indexed nationally. Requests for individual reports will be fulfilled by the issuing establishment listed on the front cover and title page. Out of stock reports will be supplied for a fee by commercial agents.

Regional and headquarters establishments of Ocean Science and Surveys ceased publication of their various report series as of December 1981. A complete listing of these publications and the last number issued under each title are published in the *Canadian Journal of Fisheries and Aquatic Sciences*, Volume 38: Index to Publications 1981. The current series began with Report Number 1 in January 1982.

Rapport statistique canadien sur l'hydrographie et les sciences océaniques

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En général, les rapports contiennent des données brutes ou analysées mais ne fournissent pas d'interprétations des données. Ces compilations sont préparées le plus souvent à l'appui de travaux reliés aux programmes et intérêts du service des Sciences et Levés océaniques (SLO) du ministère des Pêches et des Océans.

Les rapports statistiques sont produits à l'échelon régional mais sont numérotés et placés dans l'index à l'échelon national. Les demandes de rapports seront satisfaites par l'établissement auteur dont le nom figure sur la couverture et la page de titre. Les rapports épuisés seront fournis contre rétribution par des agents commerciaux.

Les établissements des Sciences et Levés océaniques dans les régions et à l'administration centrale ont cessé de publier leurs diverses séries de rapports depuis décembre 1981. Vous trouverez dans l'index des publications du volume 38 du *Journal canadien des sciences halieutiques et aquatiques*, la liste de ces publications ainsi que le dernier numéro paru dans chaque catégorie. La nouvelle série a commencé avec la publication du Rapport n° 1 en janvier 1982.

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L.F. Giovando

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ABSTRACT

Giovando, L.F. 1985. Observations of Seawater Temperature and Salinity at British Columbia Shore Stations, 1984. Can. Data Rep. Hydrogr. Ocean Sci. 41:iii+102p.

Surface oceanic salinities and temperatures have been recorded once a day at several locations on the coast of British Columbia for varying lengths of time--from about one year to several decades. This publication presents the data obtained in 1984 from seventeen such shore stations.

The data obtained are presented in two forms. Firstly, tables provide, for each site, the monthly means and the associated standard deviations, as well as the maximum and minumum values recorded during each month; the annual means are also listed. Secondly, graphs indicate the behaviour, throughout the year, of the data after the higher-frequency oscillations (e.g., those associated with lunar tides) have been removed by the use of a seven-day normally-weighted running mean.

Keywords: British Columbia, shorestations, surface temperatures, surface salinities, ocean climatology

RÉSUMÉ

Giovando, L.F. 1985. Observations of Seawater Temperature and Salinity at British Columbia Shore Stations, 1984. Can. Data Rep. Hydrogr. Ocean Sci. 41:iii+102p.

Les températures et salinités des eaux océaniques superficielles ont été relevées une fois par jour à de nombreaux endroits le long de la côte de la Colombie-Britannique, pendant diverses périodes variant d'environ un an à plusieurs décennies. Le présent rapport porte sur les données obtenues en 1984 à 17 de ces stations côtières.

Cette information est présentée sous deux formes. La première consiste en des tableaux qui regroupent les moyennes mensuelles et les écarts types, les valeurs minimale et maximale relevées chaque mois et les moyennes annuelles pour chaque site. Viennent ensuite des graphiques illustrant le comportement des données pendant toute l'année, après que les oscillations de plus haute fréquence (par ex. celles associées avec les marées lunaires) ont été éliminées à l'aide d'une moyenne cumulée normalement pondérée sur 7 jours.

Mots-clés: Colombie-Britannique, stations côtières, températures et salinités superficielles, climatologie de la mer

INTRODUCTION

A program involving once-daily observations of sea-surface salinities and/or temperatures at numerous locations on the coast of British Columbia has been in effect since the early 1930's. It is presently termed the B.C. Shore-station Oceanographic Program.

The number of sites reporting at any given time has varied throughout the course of the program; sampling has been discontinued (and in a few cases later resumed) at some places and commenced (not necessarily simultaneously) at others. All available data obtained from these sites prior to 1984 have been published in various formats (e.g. Giovando 1981a and b, 1985; Hollister and Sandnes, 1972).

During recent years, as many as nineteen such locations have provided sea-surface data. Fifteen of these are Ministry of Transport (MOT) lightstations. The remaining four are: the Pacific Biological Station (of the Department of Fisheries and Oceans (DFO)) at Departure Bay; the West Vancouver Laboratory (West Van)--formerly the Pacific Environment Institute[1]--also of DFO; the Western Canadian Universities Marine Biological Station at Bamfield; and the meteorological station (of the Atmospheric Environment Service (AES) of the Department of Environment (DOE)) at Cape St. James.

The stations reporting data in 1984 are shown (underlined) in Figure 1. Table 1 lists them in northwest-to-southeast order, along the "outside coast" (Langara Island to Race Rocks) and along the Strait of Georgia (Cape Mudge to Active Pass); the general location of each station, as well as information about the observers who obtained the data, is also given. No data were obtained from either Bamfield or Departure Bay, in 1984 (see page 5).

It may also be noted that, prior to 1982, the headquarters of the program was located first at the Pacific Biological Station (1934-70), and then at the West Vancouver Laboratory (1971-81). From 1982, it has been situated at the Institute of Ocean Sciences (of DFO) located at Sidney, B.C. The Institute is referred to as "IOS" whenever it is mentioned throughout the remainder of this report.

OBSERVATIONAL EQUIPMENT AND PROCEDURES

Except at Cape Beale and Active Pass, each daily observation was made at daytime high tide. At Cape Beale, sampling was carried out one hour before the daytime high tide. At Active Pass, observations were done at daylight high-water slack. All sampling times were determined by reference to the Canadian Tide and Current Tables (Fisheries and Oceans, 1984). On occasion--because of weather conditions or of the press of the observer's primary duties--the schedule could not be strictly adhered to; however, results obtained within ± one hour of the desired time were recorded. For reasons of observer safety, sampling was never attempted in darkness at any station.

(a) Temperature

At each of the seventeen stations providing data in 1984, water temperature was measured by means of a mercury-in-glass thermometer graduated in degrees Celsius (°C). The thermometers are either of range -20° to +55°C and interval 1°, or of range -10 to +60°C and interval 1°. At present, the former type is the one by far the more commonly used. The temperatures were estimated to within ±0.1°C. (Before being sent to a sampling station, each thermometer is checked against a calibrated one; the maximum acceptable error is ±0.2°C.)

At most stations, the thermometer used is partially enclosed in a protective case of 2.5-cm (1-in) aluminum pipe; this case also provides a "well" around the bulb of the thermometer. The case is attached to the end of a pole (also of aluminum pipe) which can be as long as about 6 m (20 ft); the greater pole lengths are necessary at sites where observations are carried out from, say, steep bluffs. The thermometer is lowered to a depth of 1 m, and left for about two minutes. It is then raised and the water temperature recorded. At the remaining sampling sites, (and at a few of the others during inclement weather), a bucket is used for all oceanographic observations. When a bucket is used the thermometer is immediately immersed in the sample; its temperature is read after about two minutes.

(b) Salinity

During 1984, salinities were determined at fifteen of the seventeen stations reporting--all except Cape St. James and West Van. (Measurement of salinity was discontinued at Cape St. James on 31 May 1971; only temperature has been measured at West Van since sampling began there on 3 December 1979.) At the sites at which the pole assembly is usually utilized, a plastic or glass bottle, usually of about 710-cc (25-oz) capacity, is also attached to the assembly. The uncapped bottle will fill during immersion. At the same time that the temperature of the water is recorded, a sample is drawn from the bottle for use in the determination of salinity. For those sites where a bucket is used (e.g. Cape Beale) the salinity sample is drawn from the bucket.

At all but one of these fifteen stations, the density of each sample was determined by hydrometer. (The salinity, in °/oo (parts per thousand), is then obtained from this value of density.) The hydrometers employed are similar to those presently used by the U.S. Coast and Geodetic Survey (USC&GS) at its tidal stations; they actually measure the specific gravity of a seawater sample. (It should be noted that the term "specific gravity" has recently been replaced, in scientific usage at least, by the term "relative density.") Specific gravity is a ratio of two densities and is therefore a dimensionless quantity. If however, by definition, distilled water at a temperature 4°C (39.2°F) has a density $\rho_m = 1$, then the specific gravity of a substance having a density ρ is $\frac{\rho}{\rho_m}$ and will be numerically equal to the value of ρ.

The specific gravity of a seawater sample depends upon both the salinity (the quantity of dissolved material in the sample) and the temperature of the sample at the time the measurement is made. Densities determined by hydrometer without temperature control must therefore be reduced to some "standard" temperature for conversion to the corresponding salinities. The standard adopted for this program is 15°C (59°F), the same as that presently used by the USC&GS.

An expression of the general form Sp. Gr. Tp. (or Temp.) 15/4° is provided on every hydrometer utilized in this program. It incorporates both the basis of specific gravity (distilled water at 4°C (39.2°F)) and the standard temperature (15°C, or 59°F) employed.

Hydrometers are supplied to the stations in one or more of three ranges of specific gravity: 0.9960-1.0110, 1.0100-1.0210, and 1.0200-1.0310. The scales are divided into intervals of 0.0002, and the values are estimated to ±0.0001; the instruments are read employing techniques described by the USC&GS (Adams, 1942). Each instrument has its calibration checked immediately before being sent to a station.

It may be noted that "comparison" determinations involving several dozen samples collected at British Columbia shorestations have indicated that about 85% of the "hydrometer" salinity values were within ±0.3°/oo of the corresponding ones obtained by inductive salinometer (Hollister, unpublished).

Because of a continuing incapacity of inductive-salinometry equipment (see Giovando, 1981b), samples obtained from Cape Beale were analyzed for salinity by means of an American Optical Corporation optical refractometer having automatic temperature compensation. The accuracy of this instrument is believed to be about ±0.8°/oo. Readings were estimated to the equivalent of about ±0.4°/oo. These salinities have been reported to only the nearest part per thousand. This follows a practice which was initiated in 1982, but was--by an oversight--not noted in either the 1982 or the 1983 annual data reports.

The time of each daily observation, as well as the associated seawater temperature and hydrometer or refractometer readings, was recorded on monthly field sheets. These sheets were forwarded to IOS, where the data underwent preliminary processing.

PRELIMINARY PROCESSING OF THE DATA

The temperature data were scanned, and values were rejected if it was discovered that a faulty thermometer had been used, or if the value was obviously the result of a misreading or of any other error in technique. Observed hydrometer readings were reduced to densities at the standard temperature, 15°C (59°F), by means of tables prepared by the USC&GS (Zerbe and Taylor, 1953). The appropriate calibration correction was then applied to

each such density value. These corrected values were in turn converted to salinities in ‰ and reported to the first decimal place. A salinity value was rejected, again, only if it obviously had resulted from a misreading of hydrometer or refractometer or from other procedural errors.

If observations were missing for one day or for two consecutive days, the resulting gap was filled by value(s) obtained by linear interpolation utilizing the two observations bounding the gap. No interpolation was undertaken in those cases for which readings had been missed for three or more consecutive days (whether by accident or by design). Interpolated values were used to provide continuity to graphical representation of the data (see next section).

COMPUTER PROCESSING OF THE DATA

The daily temperature and salinity data remaining after the preliminary procedures noted above were then processed at IOS by computer in order to provide tabular and graphical representations and summaries. For each station, this procedure involved the determination of the twelve monthly means for temperature and for salinity, as well as of the corresponding standard deviations. Annual means were also computed. All means were rounded to one decimal place, the corresponding standard deviations to two places. Data obtained by interpolation were not utilized in the computation of the means.

A form of smoothing was performed on the data to minimize the effect of any variability associated with frequencies large compared to the annual frequency (those associated with lunar tides, for example). For simplicity, the daily values of salinity and/or temperature at each sampling station were here considered to be equally spaced in time--with a sampling interval, therefore, of 24 hours. A seven-day, normally-weighted running mean (Holloway, 1958) was utilized to smooth the resulting series; this form of filtering is considered to result in an output free of such defects as "polarity reversals" or phase shifts. The running mean was computed, for the entire year, for both temperature and salinity. In order that these means for each station be as continuous as possible consistent with the data involved, daily values obtained by interpolation were utilized in the associated computations. However, when a period of greater than two consecutive days of missed data was encountered, the computations were "interrupted."

PRESENTATION OF THE DATA

The data from each station are presented in two forms:

(1) Tabulations, in monthly format, of the daily values of temperature in °C and of salinity in parts per thousand (°/oo)--pages 16 to 83. The results are listed in the same station order as that given in Table 1. Three months' data are listed on each page. Also recorded for each month are the MEAN, the standard deviation (STD. DEV.), the number of observations (OBSVNS.) involved in the computations of these two quantities, and the MAXIMUM and MINIMUM values. The annual means (YRLY. MEANS) for temperature and salinity are included with the December output for each station. Each interpolated

daily value is identified by an asterisk (*). "Missed" values with which no interpolation is associated are denoted by an * followed by a blank space. Invalid days, such as April 31, are indicated by a blank space alone. Both the latitude and the longitude of each station (in degrees, and minutes and tenths of minutes) are noted on every page, immediately after the station designation. For ease in reference, the monthly- and annual-mean temperatures and salinities have been summarized. Temperatures in ^{o}C are given in Table 2. In addition, the ^{o}F equivalents of the values in Table 2 are provided in Table 3--primarily for the convenience of those who, because of either choice or necessity, still employ the Fahrenheit scale. The corresponding salinities are given in Table 4.

(2) "Annual" graphs of the seven-day, normally-weighted running means for temperature and salinity--pages 86 to 102. These graphs are copies of the computer-generated plots of the means. Any interruption--due to missing data--in the associated computations will result in a gap in the plotted output as well. Each graph for temperature is provided with scales in both ^{o}C and ^{o}F. For those sampling sites at which both temperature and salinity are recorded, the two graphs are placed on a single page.

Several features associated with the information presented should be noted:

(a) Circumstances beyond the control of the sampling program have resulted in significant data shortfalls at some stations:

(i) At Bamfield, no sampling was carried out during the year (as previously noted--page 1). This station has not reported data since 31 October, 1980. An organized program for collection of sea-surface data no longer exists there, although it is hoped that one can be put in place in the near future. However, until more positive indications of this restoration become apparent, Bamfield will no longer be included in the roster of B.C. Shorestation Program Sampling locations.

(ii) At Departure Bay, no surface-oceanography observations were carried out during 1984. It is hoped that this location will be able to resume reporting in mid-1985.

(iii) At Cape Beale, only three valid samplings were carried out during August 1984.

In the "overall" view provided by the monthly-mean summaries in Tables 2, 3, and 4, the reader is alerted to the presence of "data-poor" (but not-barren) months by the "overbar" symbols "=" and "-". In these tables, the months for which 1 to 10 (11 to 20) values of temperature or salinity were recorded have been flagged by = (-); it is hoped that these (admittedly--arbitrary) designations will emphasize the need for circumspection in the use of the data involved.

(b) At some of the program's shorestations in the Strait of Georgia, there can exist periods throughout which the recorded daily salinity values (and therefore the associated running means) are relatively low--often appreciably less than 20°/oo. Such values can be present at any time. However, they occur by far the most frequently during the months June through August--at which time they presumably result primarily from the marked freshening of the surface waters by runoff from the Fraser River. In 1984, the available data indicated low values--especially at Active Pass, but also, to a much lesser degree, at Entrance Island. However, the salinity range common to all other reporting sites (20% to 34%) has been retained in these two instances as well. This has been achieved by displacing those portions of the graph depicting running-mean values of 20°/oo or less. The displacement is such that the highest level of the time-salinity "grid" (34°/oo) serves as the 20°/oo salinity level for these sections. The running means affected can be determined by reference to the "auxiliary" salinity scale(s) (characterized by bracketted values) that have been provided. As an example, the running-mean minimum that occurred in near mid-June 1984 at Active Pass (page 102) is in this representation seen to have a "graphical" value of 16.4. The value actually calculated for the minimum was the same (16.40).

Brief mention may be made of some recent efforts at analysis (as opposed to "annual" tabulations) of the B.C. shorestation data obtained up to the end of 1976. A preliminary study (Webster and Farmer, 1976) examined data from three of the stations on the outer coast--Langara Island, Kains Island and Amphitrite Point. The primary purpose was the development of techniques for the presentation of important features of the data, such as long- and short-term variations at each station and the possible relationships between the data from different stations. The techniques applied were simple annual and monthly averaging, and the relatively modern technique of spectral analysis. The same authors later extended these analytical techniques to a further fourteen stations (Webster and Farmer, 1977).

A third publication (Associated Engineering Services Ltd., 1977) deals with the general efficiency of the present shorestation sampling program, especially in the light of financial constraints involved. Sampling errors, especially those inherent in salinity determination by hydrometry, are exhaustively discussed. Central to the study was a questionnaire forwarded both to the then (1977), and to the potential, users of the data, seeking to clarify such information as the time scales of interest and the required accuracy of the data. Responses to this questionnaire, and the sampling accuracies determined, were utilized to prepare several options (further versions of the sampling program). These options, each of different sampling intensities and/or instrumentation mixes, and cost, are presented for consideration by the users.

ACKNOWLEDGEMENTS

The sea-sampling program at British Columbia shore stations owes its success primarily to the dedication of the many observers who are taking, or have taken, part in the obtaining of data. These observers have maintained a remarkable continuity of effort, often in the face of extremely hazardous sea and weather conditions. The several vital contributions of MOT to the program are gratefully acknowledged: the provision of the voluntary services of the lightkeepers as observers, as well as the excellent assistance received from the District Managers and Staffs of the Marine Transportation Division in Victoria and Prince Rupert, and from its Radio Branch, which transmits the numerous messages involved in the program. The services of the meteorological staff at Cape St. James have been made available to the program through the kind permission of the Regional Director of the Pacific Region of AES. Shorestation observers at all MOT or AES stations with the exception of Cape Beale, receive payment from Ocean and Aquatic Sciences, DFO, for their work on behalf of the program. The observer at Cape Beale is paid by the Biological Station at Bamfield. Data from West Van are obtained by staff. Thanks are due the Director at Bamfield, Dr. R.E. Foreman, for permission to publish the Cape Beale data included in this report, and to Miss Sabina Leader for her efforts in making these data available. The author is also grateful to Miss Susan Ball, who carried out the processing itself, and also assembled this report into final form. He is indebted to Dr. S. Tabata for review of the manuscript. The report was typed by Ms Judy Pitcher.

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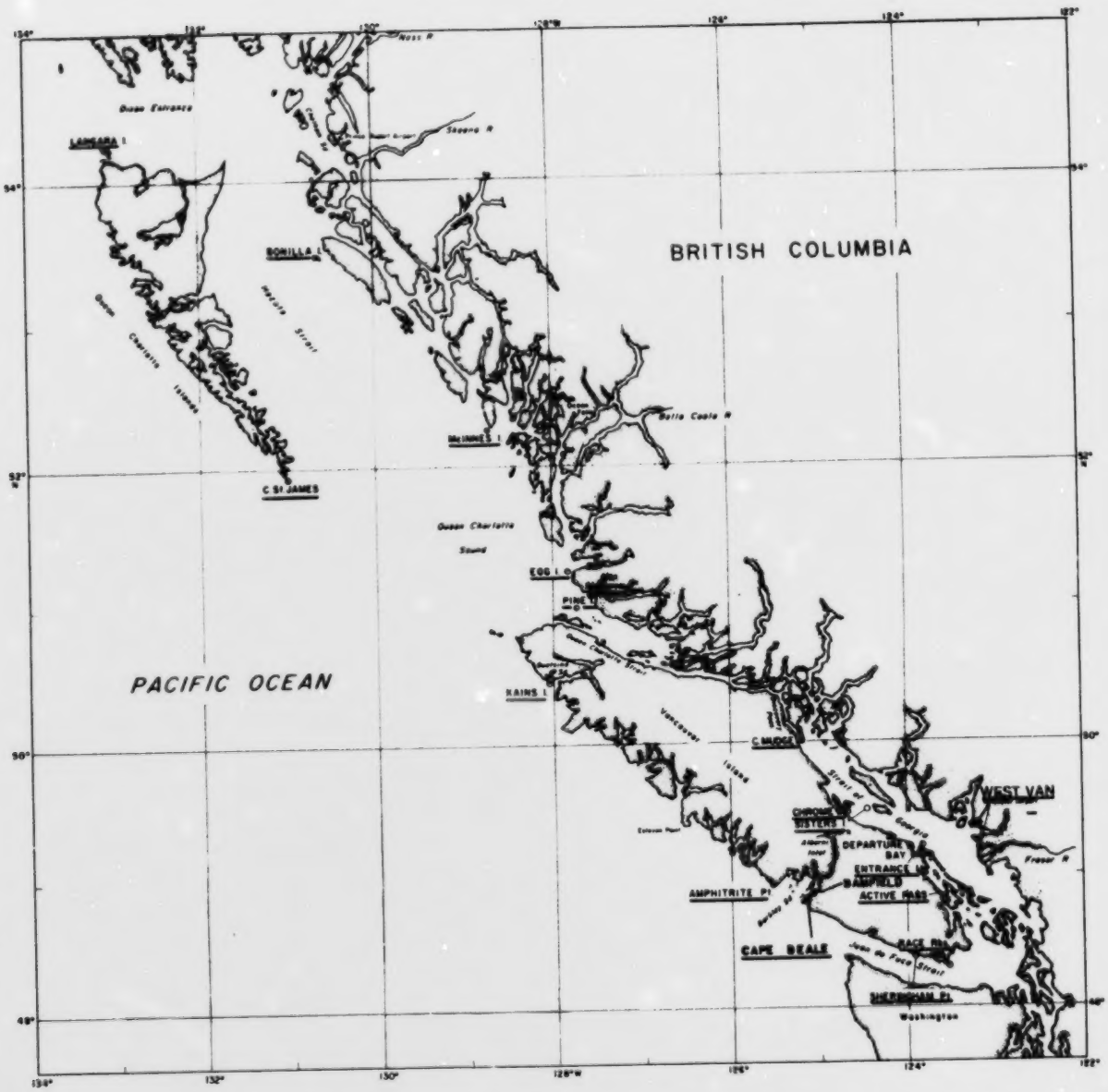

Figure 1. Location of B.C. shorestations (underlined) making the daily oceanographic observations (1984) reported in this publication.

Table 1. B.C. shore stations providing the oceanographic data reported in this publication: general locations, and observers.

Station	Location	Observer(s)
Outside Coast		
Langara Island	Dixon Entrance, south side	L. Saurette (Mrs.)
Bonilla Island	Hecate Strait, north	L. Beaudet (Mrs.)
Cape St. James	Queen Charlotte Islands, south end	Meteorological staff
McInnes Island	Milbanke Sound entrance, north side	K. Coldwell (Mrs.)
Egg Island	Smith Sound, southern entrance	S.G. Westhaver R.E. Akerstrom
Pine Island	Queen Charlotte Strait, western entrance	G. Fraser (Mrs.)
Kains Island	Quatsino Sound entrance, north side	R.W. Moe M. Martinelli I.R. Crocker
Amphitrite Point	Barkley Sound, western entrance	C. Slater (Mrs.)
Cape Beale	Barkley Sound, eastern entrance	E. Brand (Ms.)
Sheringham Point	Juan de Fuca Strait, northern side	E. Bruton (Mrs.)
Race Rocks	Juan de Fuca Strait, eastern end	J.E. Redhead (Mrs.)

Table 1. Continued

Station	Location	Observer(s)
Strait of Georgia:		
Cape Mudge	Strait of Georgia, northern entrance	K. Nelson
Chrome Island	Strait of Georgia, off central western shore	M.V. Stewart (Mrs.)
Sisters Island	Strait of Georgia, central	D.J. McNeil W. Milne D. Earl J. Harnden
Departure Bay	Strait of Georgia, central western shore	No Data, 1984
Entrance Island	Strait of Georgia, off central western shore	E. Cehak (Mrs.)
West Vancouver	Strait of Georgia, central eastern shore	Aquarium Staff
Active Pass	Strait of Georgia, southwestern shore	T. De Rousie (Mrs.)

Table 2. Monthly- and annual-mean temperatures (^{o}C) - 1984

Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Langara I.	7.6	7.3	7.6	8.0	8.7	10.4	11.4	12.5	12.0	10.6	8.7	7.2	9.4
Bonilla I.	7.0	7.2	8.1	8.3	9.8	11.5	13.2	13.6	12.8	11.0	8.3	7.1	9.8
Cape St. James	8.3	8.2	8.4	8.5	9.2	10.2	11.5	12.2	11.6	10.2	8.9	8.2	9.6
McInnes I.	7.8	7.7	8.1	8.5	9.8	11.5	13.0	14.4	13.3	10.9	8.4	7.1	10.1
Egg I.	7.9	7.9	8.3	8.6	10.0	11.9	13.2	13.3	11.3	9.8	8.4	7.3	9.8
Pine I.	8.3	8.0	8.5	8.7	9.3	10.0	10.5	10.9	10.5	10.2	8.8	8.2	9.4
Kains I.	8.5	8.5	8.9	9.2	10.5	11.4	12.8	14.2	13.6	11.2	9.1	8.0	10.5
Amphitrite Pt.	7.9	8.4	9.3	9.9	11.0	11.1	12.6	14.0	13.0	11.7	9.8	8.0	10.6
Cape Beale	7.9	8.1	9.0	9.7	10.7	11.5	13.3	12.9	12.0	11.1	9.8	7.8	10.3
Sheringham Pt.	7.8	7.8	8.1	9.0	10.0	10.6	10.9	11.1	11.6	11.1	10.0	8.8	9.7
Race Rocks	7.5	7.9	8.4	9.1	9.7	10.3	11.4	11.6	10.6	9.8	8.6	7.0	9.3
Cape Mudge	8.0	8.0	9.0	10.1	10.9	14.9	15.2	15.1	13.3	11.1	8.9	7.5	11.1
Chrome I.	8.0	8.2	8.9	9.7	11.3	15.3	17.3	17.2	13.9	11.1	9.0	7.5	11.5
Sisters I.	7.4	7.8	8.5	9.5	11.2	14.9	17.2	17.9	14.5	11.3	8.9	7.3	11.4
Departure Bay	No data, 1984												
Entrance I.	7.4	7.9	8.5	9.5	11.3	14.6	17.0	17.6	14.5	10.8	8.9	7.2	11.3
West Vancouver	6.2	7.1	8.0	9.1	11.5	15.9	16.8	17.3	13.9	10.4	8.1	5.4	10.8
Active Pass	7.5	8.0	8.8	9.8	11.0	13.8	15.6	15.8	13.7	11.0	9.2	7.2	11.0

Note: $\overline{X}$: Signifies months in which 11 to 20 daily values of temperature were recorded.

Table 3. Monthly- and annual-mean temperatures (^{O}F) - 1984

Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Langara I.	45.7	45.1	45.7	46.4	47.7	50.7	52.5	54.5	53.6	51.1	47.7	45.0	48.9
Bonilla I.	44.6	45.0	46.6	46.9	49.6	52.7	55.8	56.5	55.0	51.8	46.9	44.8	49.6
Cape St. James	46.9	46.8	47.1	47.3	48.6	50.4	52.7	54.0	52.9	50.4	48.0	46.8	49.3
McInnes I.	46.0	45.9	46.6	47.3	49.6	52.7	55.4	57.9	55.9	51.6	47.1	44.8	50.2
Egg I.	46.2	46.2	46.9	47.5	50.0	53.4	55.8	55.9	52.3	49.6	47.1	45.1	49.6
Pine I.	46.9	46.4	47.3	47.7	48.7	50.0	50.9	51.6	50.9	50.4	47.8	46.8	48.9
Kains I.	47.3	47.3	48.0	48.6	50.9	52.5	55.0	57.6	56.5	52.2	48.4	46.4	50.9
Amphitrite Pt.	46.2	47.1	48.7	49.8	51.8	52.0	54.7	57.2	55.4	53.1	49.6	46.4	51.1
Cape Beale	46.2	46.6	48.2	49.5	51.3	52.7	55.9	55.2	53.6	52.0	49.6	46.0	50.5
Sheringham Pt.	46.0	46.0	46.6	48.2	50.0	51.1	51.6	52.0	52.9	52.0	50.0	47.8	49.5
Race Rocks	45.5	46.2	47.1	48.4	49.5	50.5	52.5	52.9	51.1	49.6	47.5	44.6	48.7
Cape Mudge	46.4	46.4	48.2	50.2	51.6	58.8	59.4	59.2	55.9	52.0	48.0	45.5	52.0
Chrome I.	46.4	46.8	48.0	49.5	52.3	59.5	63.1	63.0	57.0	52.0	48.2	45.5	52.7
Sisters I.	45.3	46.0	47.3	49.1	52.2	58.8	63.0	64.2	58.1	52.3	48.0	45.1	52.5
Departure Bay	No data, 1984												
Entrance I.	45.3	46.2	47.3	49.1	52.3	58.3	62.6	63.7	58.1	51.4	48.0	45.0	52.3
West Vancouver	43.2	44.8	46.4	48.4	52.7	60.	62.2	63.1	57.0	50.7	46.6	41.7	51.4
Active Pass	45.5	46.4	47.8	49.6	51.8	56.8	60.1	60.4	56.7	51.8	48.6	45.0	51.8

Note: $\overline{X}$: Signifies months in which 11 to 20 daily values of temperature were recorded.

Table 4. Monthly- and annual-mean salinities ($^{o}/_{oo}$) - 1984

Station	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Langara I.	31.9	31.9	31.8	31.7	31.9	31.7	31.6	31.2	31.5	31.5	31.7	31.7	31.7
Bonilla I.	30.4	30.2	30.3	30.2	30.5	30.3	30.6	30.7	30.8	30.5	30.4	30.7	30.5
McInnes I.	30.4	29.6	30.0	30.3	30.6	30.9	29.4	30.2	28.7	29.9	30.1	30.1	30.0
Egg I.	31.1	30.9	30.9	30.7	30.2	28.3	26.5	29.1	30.8	31.3	31.7	31.4	30.2
Pine I.	30.8	30.7	30.5	30.7	30.8	31.2	31.3	31.3	31.1	31.3	30.9	30.9	31.0
Kains I.	28.2	27.8	28.2	28.9	29.2	30.7	30.7	30.7	30.1	29.3	29.2	28.9	29.3
Amphitrite Pt.	27.5	28.2	27.7	27.8	28.2	30.1	30.3	30.1	29.5	27.9	28.1	28.1	28.6
**Cape Beale	29.9	29.2	28.9	29.1	29.6	30.2	30.3	30.7	31.8	30.8	31.2	31.5	30.2
Sheringham Pt.	30.3	30.3	30.4	30.4	30.9	31.1	31.2	31.1	31.3	31.0	30.8	30.5	30.8
Race Rocks	30.5	30.5	30.5	30.9	31.3	31.4	31.1	31.5	31.4	31.3	31.0	31.1	31.0
Cape Mudge	28.9	29.1	29.3	29.0	28.9	29.6	28.5	27.9	28.5	28.3	28.7	27.4	28.7
Chrome I.	27.8	28.2	28.2	28.1	27.8	27.5	26.0	26.6	27.6	27.3	27.4	27.6	27.5
Sisters I.	28.1	28.3	28.4	28.2	28.0	26.4	24.6	25.7	27.1	26.9	27.3	27.8	27.2
Departure Bay	No data, 1984												
Entrance I.	27.0	28.0	28.0	28.1	27.3	26.0	22.6	24.5	26.0	27.0	27.7	28.4	26.7
Active Pass	26.4	27.8	27.7	27.6	27.3	24.4	21.4	23.9	24.8	26.1	27.3	27.1	26.0

Note: ** Signifies daily salinity values were determined by optical refractometer

$\overline{X}$ Signifies months in which 11 to 20 daily values of salinity were recorded

$\underline{\overline{y}}$ Signifies months in which 1 to 10 daily values of salinity were recorded

Tabulations of Daily Sea-Surface Temperature and Salinity

1984

TEMP: Temperature (^{o}C)

SAL: Salinity ($^{o}/oo$)

LANGARA ISLAND 54 15.3 N 133 03.5 W

DATE	JANUARY TEMP	JANUARY SAL	FEBRUARY TEMP	FEBRUARY SAL	MARCH TEMP	MARCH SAL
1	7.7	32.0	7.6	32.0	7.1	31.8
2	7.8	31.6	7.8	32.0	7.2	31.8
3	7.9	31.9	7.8	31.9	7.1	31.8
4	8.0	32.1	7.7	31.8	7.3	31.5
5	8.0	32.0	7.8	32.0	7.5	31.6
6	* 7.8	* 32.0	7.6	32.1	7.7	31.8
7	7.5	32.0	* 7.4	* 32.1	7.7	31.9
8	7.9	32.1	* 7.2	* 32.0	* 7.7	* 31.9
9	8.0	32.0	7.0	31.9	7.6	31.9
10	8.0	32.1	7.0	31.9	* 7.4	* 31.9
11	7.8	32.1	7.1	31.6	7.2	31.8
12	7.8	31.9	7.2	31.9	7.1	31.5
13	7.8	32.1	* 7.2	* 31.9	7.2	31.4
14	7.5	31.8	7.2	31.8	7.2	31.4
15	7.6	32.0	7.2	31.6	7.3	31.6
16	7.3	31.9	7.2	32.0	7.3	31.8
17	7.3	31.9	7.3	31.8	7.5	31.8
18	7.3	32.0	7.2	32.0	7.5	31.8
19	7.4	31.8	7.3	31.9	7.8	31.9
20	7.1	31.8	7.2	32.0	7.7	31.9
21	7.2	31.9	7.2	31.9	7.8	31.9
22	7.7	32.0	7.0	31.8	7.9	31.8
23	7.5	32.0	7.1	31.9	7.8	31.9
24	7.5	32.0	7.0	32.0	7.9	32.0
25	* 7.6	* 31.8	7.0	31.8	7.7	31.6
26	7.8	31.6	7.0	31.9	7.9	31.9
27	7.9	31.8	7.1	31.8	7.8	31.8
28	7.4	31.8	7.0	31.9	7.9	31.6
29	7.3	31.9	7.1	31.9	7.8	31.9
30	7.8	31.8			7.8	31.9
31	7.8	32.0			8.0	31.9
MEANS	7.6	31.9	7.3	31.9	7.6	31.8
OBSVNS.	29	29	26	26	29	29
MAXIMUM	8.0	32.1	7.8	32.1	8.0	32.0
MINIMUM	7.1	31.6	7.0	31.6	7.1	31.4
STD.DEV.	.27	.14	.28	.12	.3[illegible]	.17

LANGARA ISLAND 54 15.3 N 133 03.5 W

DATE	APRIL TEMP	APRIL SAL	MAY TEMP	MAY SAL	JUNE TEMP	JUNE SAL	1984
1	8.0	31.8	7.9	32.1	9.6	32.4	
2	7.9	31.9	8.4	31.9	9.3	32.3	
3	7.7	31.6	8.3	31.9	9.4	32.1	
4	8.0	31.4	8.0	31.8	9.8	31.5	
5	7.9	31.5	8.3	31.8	10.3	31.5	
6	* 7.9	* 31.5	8.8	31.6	10.2	31.5	
7	* 7.8	* 31.6	8.7	31.6	10.0	31.8	
8	7.8	31.6	8.0	31.8	9.8	31.8	
9	7.9	31.8	8.1	31.9	10.1	31.9	
10	7.9	32.0	8.6	31.8	9.7	31.5	
11	7.8	31.9	8.8	32.3	10.2	32.4	
12	7.9	31.8	8.6	32.1	10.1	31.8	
13	8.0	31.9	8.7	31.8	10.4	31.4	
14	7.9	31.9	8.4	32.1	10.1	32.1	
15	8.0	31.6	8.3	32.0	9.8	31.4	
16	8.2	31.8	8.8	32.1	10.3	31.6	
17	7.9	31.9	8.6	31.6	11.2	31.9	
18	8.0	32.0	8.4	31.6	10.8	31.6	
19	8.3	31.6	8.8	32.1	11.8	31.6	
20	8.1	31.6	8.9	31.5	11.3	31.9	
21	8.1	32.1	8.7	31.9	11.3	31.6	
22	8.0	31.9	8.7	32.0	10.5	31.4	
23	* 7.9	* 31.7	9.2	31.8	10.2	31.5	
24	7.8	31.5	9.7	31.9	10.8	31.2	
25	8.0	31.6	9.4	32.1	10.8	31.2	
26	8.0	31.5	9.2	32.3	10.7	31.4	
27	8.0	31.6	9.2	32.3	10.8	31.5	
28	8.2	31.5	9.2	32.4	11.2	31.6	
29	8.7	31.9	9.5	31.9	11.8	31.9	
30	8.0	31.9	9.5	32.1	10.9	32.1	
31			9.4	32.1			
MEANS	8.0	31.7	8.7	31.9	10.4	31.7	
OBSVNS.	27	27	31	31	30	30	
MAXIMUM	8.7	32.1	9.7	32.4	11.8	32.4	
MINIMUM	7.7	31.4	7.9	31.5	9.3	31.2	
STD.DEV.	.19	.19	.48	.23	.66	.33	

LANGARA ISLAND 54 15.3 N 133 03.5 W

DATE	JULY TEMP	JULY SAL	AUGUST TEMP	AUGUST SAL	SEPTEMBER 1984 TEMP	SEPTEMBER 1984 SAL
1	10.8	32.1	10.8	31.6	12.0	31.5
2	10.8	32.1	10.7	31.4	12.0	31.6
3	10.8	32.1	11.3	31.9	12.7	31.8
4	11.3	32.3	11.7	31.9	12.5	31.6
5	11.2	32.3	10.8	31.8	12.8	31.8
6	11.0	31.6	11.2	31.6	13.1	31.5
7	10.8	31.4	12.0	31.8	12.6	31.2
8	10.8	31.5	12.0	31.6	12.6	31.5
9	10.7	31.4	13.3	31.6	* 12.5	* 31.6
10	11.2	31.5	13.5	31.9	12.4	31.8
11	10.9	31.5	13.1	31.9	12.3	31.6
12	11.2	31.6	13.2	32.3	12.2	31.8
13	11.7	31.8	12.5	31.6	12.2	31.6
14	11.4	31.6	12.9	31.6	12.2	31.8
15	11.7	31.8	13.3	31.2	12.6	31.6
16	10.8	31.5	13.3	31.4	13.2	31.6
17	11.5	31.6	13.3	31.6	13.4	31.5
18	11.2	31.6	* 13.8	* 31.6	13.5	31.5
19	12.3	31.5	14.4	31.6	* 12.6	* 31.1
20	12.2	31.5	14.0	31.6	* 11.8	* 30.8
21	12.8	31.9	14.0	29.5	10.9	30.4
22	12.0	31.1	13.9	28.8	11.9	31.0
23	12.0	31.1	13.4	29.9	11.0	31.0
24	12.0	31.4	13.6	29.5	11.7	31.1
25	12.0	31.1	11.9	30.6	9.8	31.9
26	12.0	31.0	12.5	30.8	9.9	32.1
27	12.8	31.6	12.0	30.7	10.3	31.9
28	10.9	31.6	11.5	31.1	10.3	31.8
29	11.0	31.8	10.5	31.4	11.3	31.6
30	10.3	32.0	* 10.8	* 31.5	12.0	31.6
31	10.8	31.5	11.2	31.6		
MEANS	11.4	31.6	12.5	31.2	12.0	31.5
OBSVNS.	31	31	29	29	27	27
MAXIMUM	12.8	32.3	14.4	32.3	13.5	32.1
MINIMUM	10.3	31.0	10.5	28.8	9.8	30.4
STD.DEV.	.65	.34	1.15	.84	1.03	.35

LANGARA ISLAND 54 15.3 N 133 03.5 W

	OCTOBER		NOVEMBER		DECEMBER 1984	
DATE	TEMP	SAL	TEMP	SAL	TEMP	SAL
1	12.3	31.5	8.7	31.8	8.0	31.8
2	12.1	31.4	8.4	31.9	7.8	31.6
3	11.8	31.0	9.2	31.8	7.7	31.6
4	11.7	31.2	9.2	31.5	* 7.9	* 31.7
5	11.0	31.1	9.2	31.5	8.1	31.8
6	12.0	31.5	9.1	31.8	8.2	31.6
7	12.2	31.6	* 9.0	* 31.8	* 8.1	* 31.6
8	12.1	31.5	8.9	31.9	7.9	31.5
9	11.3	31.4	8.9	31.6	8.0	31.5
10	11.7	31.6	8.6	31.5	7.8	31.6
11	12.0	31.6	* 8.5	* 31.5	7.7	31.2
12	11.5	31.5	8.4	31.5	* 7.6	* 31.3
13	10.4	31.6	8.2	31.1	7.5	31.4
14	* 10.6	* 31.3	8.6	31.4	7.4	31.0
15	10.8	31.0	8.8	31.8	7.0	31.2
16	10.6	31.0	8.8	31.6	6.5	31.1
17	10.1	31.5	9.0	31.6	6.9	31.0
18	10.0	31.5	8.8	31.5	* 7.1	* 31.2
19	* 10.2	* 31.5	8.8	31.6	* 7.3	* 31.4
20	10.4	31.5	9.0	31.8	7.5	31.6
21	10.0	31.8	8.9	31.8	7.0	31.6
22	9.9	31.2	9.0	31.8	7.2	32.0
23	10.7	31.5	8.8	31.8	7.2	32.0
24	9.9	31.9	8.7	31.5	7.2	31.8
25	10.1	31.9	8.5	31.6	7.0	31.9
26	9.8	31.9	8.0	31.5	6.8	31.9
27	9.3	31.6	7.6	31.8	6.3	32.1
28	9.2	31.5	8.0	31.9	5.8	32.1
29	8.3	31.6	8.2	31.5	6.0	32.4
30	8.2	31.6	9.0	31.9	6.2	32.1
31	8.1	31.6			5.9	32.0
MEANS	10.6	31.5	8.7	31.7	7.2	31.7
OBSVNS.	29	29	28	28	26	26
YRLY.MEANS.....					9.4	31.7
MAXIMUM	12.3	31.9	9.2	31.9	8.2	32.4
MINIMUM	8.1	31.0	7.6	31.1	5.8	31.0
STD.DEV.	1.24	.25	.40	.19	.71	.37

BONILLA ISLAND 53 29.6 N 130 38.1 W

DATE	JANUARY TEMP	JANUARY SAL	FEBRUARY TEMP	FEBRUARY SAL	MARCH TEMP	MARCH SAL
1	7.7	30.4	6.9	30.4	7.9	30.8
2	7.7	29.5	7.1	30.4	8.0	30.8
3	7.9	29.9	8.0	30.2	7.7	30.2
4	7.8	30.6	8.3	30.6	7.4	29.9
5	7.3	30.7	7.4	31.4	8.2	31.0
6	6.9	31.0	7.1	30.4	9.2	29.8
7	7.0	30.4	7.8	29.9	9.3	30.7
8	7.1	30.6	7.4	30.7	8.3	30.7
9	7.8	27.2	7.1	29.8	8.1	30.3
10	7.7	30.7	5.4	29.9	8.9	29.0
11	7.6	30.2	7.1	30.6	7.2	29.9
12	7.3	30.8	7.0	29.8	7.1	31.0
13	6.7	30.8	6.8	29.8	7.2	30.2
14	7.0	31.0	6.7	30.0	7.9	30.6
15	7.1	31.0	7.4	30.6	* 7.8	* 30.3
16	6.4	31.0	7.7	30.4	7.7	29.9
17	6.6	30.7	7.8	30.4	7.7	29.9
18	6.1	30.8	7.7	30.6	8.1	29.9
19	5.6	30.7	8.0	30.3	8.7	30.6
20	5.9	30.0	8.2	30.2	8.0	29.9
21	6.5	30.4	7.4	30.4	9.6	30.0
22	6.9	30.4	7.7	29.9	9.0	30.0
23	6.8	30.2	7.5	30.2	8.6	30.3
24	7.0	30.6	* 6.3	* 29.8	8.4	29.9
25	6.7	30.6	5.1	29.4	8.2	29.9
26	* 7.0	* 30.5	6.4	30.3	8.1	30.4
27	7.3	30.4	6.9	30.0	7.6	30.7
28	6.7	29.8	7.3	29.4	7.8	30.3
29	6.3	30.2	7.1	29.9	7.7	30.7
30	7.2	30.7			7.8	30.3
31	7.4	30.3			8.7	30.6
MEANS	7.0	30.4	7.2	30.2	8.1	30.3
OBSVNS.	30	30	28	28	30	30
MAXIMUM	7.9	31.0	8.3	31.4	9.6	31.0
MINIMUM	5.6	27.2	5.1	29.4	7.1	29.0
STD.DEV.	.59	.71	.72	.42	.64	.45

BONILLA ISLAND 53 29.6 N 130 38.1 W

	APRIL		MAY		JUNE		1984
DATE	TEMP	SAL	TEMP	SAL	TEMP	SAL	
1	8.4	30.3	10.9	31.4	11.4	31.0	
2	8.4	30.7	9.4	31.8	10.2	30.6	
3	8.1	30.4	10.4	31.5	10.3	29.5	
4	8.4	30.6	10.8	31.6	10.6	30.6	
5	9.4	30.6	10.4	30.7	10.4	30.4	
6	8.3	30.0	10.7	31.1	9.9	30.7	
7	7.8	30.0	9.6	30.6	* 10.4	* 30.4	
8	8.6	29.7	8.8	30.3	10.9	30.0	
9	8.1	30.0	8.8	29.7	11.6	30.7	
10	7.0	28.4	8.9	29.8	10.9	30.8	
11	6.8	28.1	8.4	30.3	11.2	30.8	
12	7.4	28.6	8.7	30.3	* 11.5	* 30.8	
13	8.2	30.2	11.4	30.4	11.9	30.7	
14	8.1	30.2	9.8	29.8	11.8	31.0	
15	7.6	29.3	9.5	30.8	11.9	30.6	
16	8.2	29.9	9.8	31.0	11.0	30.7	
17	9.1	31.1	9.2	29.9	12.1	31.4	
18	8.6	31.0	9.0	29.5	11.8	30.7	
19	8.8	31.0	8.8	29.7	12.0	31.0	
20	* 9.2	* 30.7	9.2	30.3	11.6	31.0	
21	9.6	30.4	10.4	30.8	11.0	30.8	
22	9.4	30.0	9.4	29.8	11.4	28.9	
23	5.7	30.6	9.3	28.2	11.6	28.2	
24	8.3	30.4	* 9.7	* 29.2	11.8	29.3	
25	8.2	30.7	10.1	30.2	11.5	30.0	
26	8.9	31.4	10.4	31.0	13.2	29.8	
27	9.4	30.8	10.6	30.7	12.1	28.8	
28	9.1	31.1	10.0	30.4	12.9	29.5	
29	9.3	31.1	10.8	31.0	13.3	30.4	
30	8.9	30.6	10.9	30.4	12.9	30.0	
31			11.1	30.8			
MEANS	8.3	30.2	9.8	30.5	11.5	30.3	
OBSVNS.	29	29	30	30	28	28	
MAXIMUM	9.6	31.4	11.4	31.8	13.3	31.4	
MINIMUM	5.7	28.1	8.4	28.2	9.9	28.2	
STD.DEV.	.87	.81	.84	.74	.87	.78	

BONILLA ISLAND 53 29.6 N 130 38.1 W

DATE	JULY TEMP	JULY SAL	AUGUST TEMP	AUGUST SAL	SEPTEMBER 1984 TEMP	SEPTEMBER 1984 SAL
1	12.9	30.6	14.2	31.2	12.9	31.1
2	13.2	30.3	14.6	31.1	13.1	30.7
3	13.1	30.6	14.4	30.6	12.8	30.2
4	13.4	30.7	13.6	31.0	12.9	29.8
5	13.0	30.6	13.4	30.7	12.7	30.2
6	13.1	30.6	13.1	30.3	12.7	30.2
7	12.8	30.6	12.8	30.7	12.5	30.3
8	12.4	30.4	13.5	30.3	13.7	30.8
9	12.2	30.4	13.9	30.7	13.4	31.0
10	12.4	30.2	14.0	30.8	13.0	30.4
11	12.1	30.6	14.0	31.1	13.1	30.6
12	12.1	30.4	13.8	30.8	13.3	30.8
13	12.4	30.8	13.5	30.4	* 13.3	* 30.9
14	13.2	31.0	13.7	30.7	13.4	31.0
15	* 13.9	* 31.0	* 13.4	* 30.7	13.1	30.3
16	14.7	31.1	13.1	30.8	13.2	30.8
17	14.3	31.4	13.4	30.4	13.3	31.4
18	13.1	30.4	13.6	30.8	13.2	31.2
19	14.4	31.0	14.1	30.8	12.9	31.0
20	13.6	30.8	13.2	30.7	12.8	31.2
21	13.1	30.7	13.8	30.8	12.6	31.0
22	12.7	30.3	13.3	31.0	12.6	31.1
23	13.1	30.8	13.2	30.8	12.7	31.0
24	13.6	31.1	13.5	31.1	12.6	31.0
25	13.4	30.7	13.1	30.3	11.6	31.1
26	11.9	30.6	13.3	30.4	12.3	30.6
27	14.2	30.0	13.1	31.0	12.3	31.1
28	14.4	31.0	13.6	31.0	12.2	31.1
29	14.1	30.7	13.3	30.6	12.5	31.2
30	14.0	30.3	13.5	30.8	12.4	31.0
31	14.0	30.7	13.2	30.4		
MEANS	13.2	30.6	13.6	30.7	12.8	30.8
OBSVNS.	30	30	30	30	29	29
MAXIMUM	14.7	31.4	14.6	31.2	13.7	31.4
MINIMUM	11.9	30.0	12.8	30.3	11.6	29.8
STD.DEV.	.78	.30	.42	.26	.44	.40

BONILLA ISLAND 53 29.6 N 130 38.1 W

	OCTOBER		NOVEMBER		DECEMBER 1984	
DATE	TEMP	SAL	TEMP	SAL	TEMP	SAL
1	12.2	30.8	8.1	31.1	7.4	30.6
2	12.2	30.6	8.4	30.8	7.2	31.1
3	12.3	30.6	8.8	31.0	7.4	30.8
4	12.5	30.4	8.9	30.0	7.1	30.7
5	12.1	30.2	9.1	30.4	7.3	30.3
6	11.7	30.6	9.0	30.4	8.2	30.8
7	11.8	30.3	8.5	30.2	8.3	31.0
8	11.9	30.4	8.7	29.8	7.7	30.6
9	11.6	30.3	8.9	30.3	7.6	30.8
10	11.5	30.0	8.6	29.8	7.3	30.4
11	12.1	30.8	8.2	30.2	7.7	30.7
12	* 12.0	* 30.6	8.2	30.3	7.4	30.7
13	11.9	30.4	7.8	30.2	7.8	30.3
14	11.2	30.8	8.1	29.9	7.6	30.6
15	11.0	30.6	7.7	30.3	7.4	30.6
16	10.8	30.7	7.9	30.3	7.1	30.7
17	11.1	30.8	8.3	30.0	7.2	30.8
18	9.6	31.5	8.8	30.4	* 7.2	* 30.7
19	10.8	31.1	8.5	30.3	7.2	30.6
20	10.6	30.7	8.7	30.4	7.3	30.4
21	10.9	30.6	8.3	30.8	7.1	30.6
22	11.1	30.7	8.9	29.9	7.3	30.7
23	10.8	30.0	8.9	31.1	7.4	30.7
24	10.6	29.8	7.3	30.0	7.3	30.7
25	10.4	29.9	8.0	30.3	7.2	30.8
26	10.3	30.2	7.9	31.0	6.9	30.8
27	10.0	30.4	8.2	30.8	6.6	30.8
28	9.7	30.3	7.9	30.6	6.4	30.6
29	9.1	30.3	7.3	30.8	4.9	31.0
30	8.8	30.2	7.7	31.1	5.4	31.1
31	8.4	30.3			5.8	31.4
MEANS	11.0	30.5	8.3	30.4	7.1	30.7
OBSVNS.	30	30	30	30	30	30
YRLY.MEANS					9.8	30.5
MAXIMUM	12.5	31.5	9.1	31.1	8.3	31.4
MINIMUM	8.4	29.8	7.3	29.8	4.9	30.3
STD.DEV.	1.08	.36	.50	.40	.72	.24

CAPE ST JAMES 51 56.3 N 131 00.8 W

DATE		JANUARY TEMP		SAL		FEBRUARY TEMP		SAL		MARCH TEMP		SAL	1984
1	*	8.5	*			8.2	*			8.1	*		
2		8.6	*			8.2	*			9.0	*		
3		8.6	*			8.3	*			8.1	*		
4		8.6	*			8.3	*			8.1	*		
5		8.6	*			8.2	*			8.2	*		
6		8.3	*			8.3	*			8.2	*		
7		8.5	*			8.4	*			8.2	*		
8		8.3	*			8.1	*			8.3	*		
9		8.5	*			8.6	*		*	8.3	*		
10		8.2	*		*	8.4	*			8.2	*		
11		8.5	*		*	8.3	*			8.3	*		
12		8.4	*			8.1	*			8.3	*		
13		8.4	*			8.2	*			8.3	*		
14		7.9	*			7.9	*			8.3	*		
15		8.1	*			8.1	*			8.4	*		
16		8.2	*			8.1	*			8.4	*		
17		8.1	*			8.2	*			8.6	*		
18		8.2	*			8.3	*			8.6	*		
19	*	8.2	*			8.3	*			8.7	*		
20		8.2	*			8.2	*			8.5	*		
21		8.2	*			8.1	*			8.7	*		
22		8.2	*			8.1	*			8.5	*		
23		8.3	*			8.2	*			8.4	*		
24		8.2	*			7.8	*		*	8.3	*		
25		8.1	*			7.8	*			8.2	*		
26	*	8.1	*			8.2	*			8.4	*		
27		8.2	*			8.1	*			8.3	*		
28		8.4	*			7.9	*			8.3	*		
29		8.1	*			8.0	*			8.3	*		
30		8.2	*							8.3	*		
31		8.2	*							8.5	*		
MEANS		8.3		.0		8.2		.0		8.4		.0	
OBSVNS.		28		0		27		0		29		0	
MAXIMUM		8.6		.0		8.6		.0		9.0		.0	
MINIMUM		7.9		.0		7.8		.0		8.1		.0	
STD.DEV.		.19		.00		.18		.00		.21		.00	

CAPE ST JAMES 51 56.3 N 131 00.8 W

	APRIL		MAY		JUNE		1984
DATE	TEMP	SAL	TEMP	SAL	TEMP	SAL	
1	8.6	*	9.1	*	10.0	*	
2	8.3	*	9.0	*	9.8	*	
3	8.3	*	9.1	*	9.4	*	
4	8.4	*	9.1	*	9.4	*	
5	8.4	*	8.9	*	9.7	*	
6	8.3	*	9.6	*	9.8	*	
7	8.6	*	8.8	*	10.0	*	
8	8.3	*	8.9	*	10.0	*	
9	8.3	*	8.8	*	10.0	*	
10	8.2	*	8.7	*	9.8	*	
11	8.2	*	8.9	*	9.8	*	
12	8.3	*	9.1	*	10.3	*	
13	8.2	*	9.1	*	9.9	*	
14	8.3	*	9.0	*	10.1	*	
15	8.2	*	8.9	*	10.2	*	
16	8.6	*	9.4	*	9.7	*	
17	8.3	*	9.0	*	10.3	*	
18	8.5	*	9.2	*	11.4	*	
19	8.8	*	8.9	*	* 11.5	*	
20	8.5	*	9.1	*	11.6	*	
21	8.7	*	9.6	*	10.7	*	
22	8.2	*	9.0	*	10.4	*	
23	8.4	*	8.8	*	10.3	*	
24	8.2	*	9.1	*	10.7	*	
25	8.4	*	9.3	*	10.5	*	
26	8.7	*	9.4	*	10.3	*	
27	8.8	*	9.5	*	* 10.2	*	
28	9.0	*	9.4	*	10.0	*	
29	8.9	*	10.0	*	10.4	*	
30	8.8	*	9.6	*	9.8	*	
31			9.6	*			
MEANS	8.5	.0	9.2	.0	10.2	.0	
OBSVNS.	30	0	31	0	28	0	
MAXIMUM	9.0	.0	10.0	.0	11.6	.0	
MINIMUM	8.2	.0	8.7	.0	9.4	.0	
STD.DEV.	.24	.00	.31	.00	.51	.00	

CAPE ST JAMES 51 56.3 N 131 00.8 W

DATE	JULY TEMP		JULY SAL	AUGUST TEMP		AUGUST SAL	SEPTEMBER TEMP		SEPTEMBER SAL
1	9.7	*		12.6	*		11.8	*	
2	10.2	*		13.1	*		12.2	*	
3	10.0	*		13.0	*		11.9	*	
4	10.4	*		13.3	*		11.5	*	
5	10.4	*		12.4	*		11.6	*	
6	10.2	*		12.6	*		11.7	*	
7	10.0	*		11.7	*		12.0	*	
8	10.5	*		12.3	*		11.4	*	
9	11.0	*		11.6	*		11.0	*	
10	11.0	*		13.0	*		11.1	*	
11	11.0	*		12.5	*		11.3	*	
12	11.0	*		12.2	*		11.6	*	
13	11.0	*		12.8	*		11.9	*	
14	10.7	*		12.3	*		11.0	*	
15	11.5	*		12.5	*		11.1	*	
16	* 11.6	*		12.2	*		11.0	*	
17	11.8	*		12.0	*		11.0	*	
18	11.8	*		11.8	*		11.0	*	
19	11.9	*		11.9	*		11.0	*	
20	11.6	*		12.1	*		11.8	*	
21	12.0	*		12.4	*		11.9	*	
22	11.5	*		12.5	*		12.3	*	
23	12.4	*		12.5	*		12.2	*	
24	12.0	*		12.5	*		11.7	*	
25	12.6	*		11.8	*		11.8	*	
26	13.6	*		12.0	*		12.0	*	
27	13.8	*		11.7	*		12.3	*	
28	13.7	*		11.6	*		12.6	*	
29	11.7	*		11.8	*		11.9	*	
30	12.6	*		11.9	*		11.8	*	
31	12.0	*		11.0	*				
MEANS	11.5		.0	12.2		.0	11.6		.0
OBSVNS.	30		0	31		0	30		0
MAXIMUM	13.8		.0	13.3		.0	12.6		.0
MINIMUM	9.7		.0	11.0		.0	11.0		.0
STD.DEV.	1.10		.00	.51		.00	.47		.00

CAPE ST JAMES 51 56.3 N 131 00.8 W

DATE	OCTOBER TEMP		SAL	NOVEMBER TEMP		SAL	DECEMBER TEMP		SAL	1984
1	12.2	*		9.3	*		8.6	*		
2	11.9	*		9.2	*		8.4	*		
3	11.4	*		9.2	*		8.4	*		
4	10.8	*		9.1	*		8.6	*		
5	11.1	*		9.6	*		8.9	*		
6	10.7	*		9.3	*		8.6	*		
7	10.5	*		9.1	*		8.4	*		
8	10.0	*		9.2	*		8.1	*		
9	9.8	*		8.9	*		8.5	*		
10	10.0	*		9.1	*		8.5	*		
11	9.9	*		9.0	*		8.6	*		
12	9.8	*		9.0	*		8.5	*		
13	9.5	*		9.0	*		8.7	*		
14	10.1	*		9.0	*		8.5	*		
15	10.4	*		8.9	*		8.5	*		
16	10.5	*		9.0	*		7.8	*		
17	10.5	*		9.0	*		7.9	*		
18	10.0	*		8.9	*		8.3	*		
19	10.0	*		8.8	*		8.2	*		
20	9.9	*		8.8	*		8.4	*		
21	10.0	*		8.7	*		8.4	*		
22	10.3	*		8.3	*		8.3	*		
23	10.2	*		8.4	*		8.1	*		
24	10.7	*		8.6	*		8.4	*		
25	10.0	*		8.4	*		8.0	*		
26	9.6	*		8.2	*		8.1	*		
27	9.6	*		8.5	*		7.7	*		
28	9.6	*		8.5	*		7.5	*		
29	9.5	*		8.5	*		7.2	*		
30	8.8	*		8.6	*		7.4	*		
31	8.0	*					7.1	*		
MEANS	10.2		.0	8.9		.0	8.2		.0	
OBSVNS.	31		0	30		0	31		0	
YRLY.MEANS							9.6		.0	
MAXIMUM	12.2		.0	9.6		.0	8.9		.0	
MINIMUM	8.0		.0	8.2		.0	7.1		.0	
STD.DEV.	.81		.00	.34		.00	.45		.00	

MCINNES ISLAND 52 15.8 N 128 43.2 W

DATE	JANUARY TEMP	JANUARY SAL	FEBRUARY TEMP	FEBRUARY SAL	MARCH TEMP	MARCH SAL
1	7.8	31.4	8.2	28.2	7.5	31.0
2	8.0	31.4	8.2	28.6	8.2	29.5
3	8.4	31.5	7.8	29.8	7.8	29.1
4	8.6	31.6	8.5	29.3	7.2	29.0
5	8.6	31.6	8.0	29.7	7.5	29.1
6	8.4	31.6	7.6	29.9	8.0	29.0
7	8.0	31.4	7.8	28.6	8.0	29.5
8	8.0	31.1	7.8	29.7	8.0	29.5
9	7.8	30.2	7.8	28.8	8.0	29.5
10	7.8	30.2	7.0	29.0	8.2	29.7
11	7.8	30.2	7.2	29.8	8.2	29.8
12	7.8	29.9	7.8	30.6	8.2	29.5
13	7.4	29.5	8.0	29.7	8.2	29.5
14	7.0	29.3	8.2	30.3	8.2	29.7
15	6.8	28.5	7.8	28.6	8.0	29.7
16	6.8	28.8	7.0	28.1	8.0	29.4
17	6.8	29.3	7.0	28.5	8.0	30.2
18	6.8	30.3	7.4	29.3	8.2	30.8
19	6.5	30.3	7.6	30.0	8.4	30.8
20	6.6	30.3	8.0	30.7	8.4	30.8
21	7.2	30.3	7.6	30.8	8.2	30.6
22	8.0	30.6	7.8	30.8	8.2	30.6
23	8.4	31.4	7.8	30.7	8.2	31.1
24	8.4	31.4	7.6	30.2	8.2	30.8
25	8.4	31.2	7.6	30.2	8.4	30.8
26	8.4	31.2	7.4	30.2	8.4	30.6
27	8.4	31.0	7.2	29.3	8.5	30.7
28	8.2	30.6	7.4	29.8	8.8	31.0
29	8.2	29.7	7.5	30.4	*	*
30	8.2	28.9			*	*
31	8.2	28.6			*	*
MEANS	7.8	30.4	7.7	29.6	8.1	30.0
OBSVNS.	31	31	29	29	28	28
MAXIMUM	8.6	31.6	8.5	30.8	8.8	31.1
MINIMUM	6.5	28.5	7.0	28.1	7.2	29.0
STD.DEV.	.66	.97	.38	.81	.32	.71

MCINNES ISLAND 52 15.8 N 128 43.2 W

DATE	APRIL TEMP	APRIL SAL	MAY TEMP	MAY SAL	JUNE TEMP	JUNE SAL	1984
1	*	*	9.0	30.2	10.8	30.2	
2	8.2	29.9	9.0	29.9	11.0	30.4	
3	8.2	30.3	9.0	30.0	11.0	30.4	
4	8.4	29.9	9.2	29.8	10.6	30.7	
5	8.5	29.9	9.4	29.9	10.8	30.7	
6	8.4	30.4	9.8	30.3	11.4	30.4	
7	8.2	30.4	9.8	30.4	11.4	30.8	
8	8.2	30.8	9.8	30.6	11.2	30.6	
9	8.2	30.8	9.6	30.4	11.2	30.7	
10	8.6	31.1	9.2	31.1	11.4	31.2	
11	8.6	31.1	9.4	30.8	11.4	31.2	
12	8.5	30.6	9.8	31.0	12.0	30.4	
13	8.2	30.4	9.8	30.7	11.0	31.1	
14	8.2	30.2	9.8	31.0	11.2	31.6	
15	8.2	29.9	9.8	31.0	11.6	31.6	
16	8.2	30.8	10.0	31.0	11.2	31.8	
17	8.4	30.8	10.0	30.8	11.4	31.6	
18	8.7	30.8	10.0	30.6	11.8	31.4	
19	8.7	30.2	9.8	31.0	12.0	30.6	
20	8.7	29.7	9.8	31.0	12.0	30.4	
21	8.4	30.7	9.8	31.0	12.0	31.0	
22	8.7	30.8	9.8	31.1	11.8	31.4	
23	8.5	30.8	9.8	31.1	11.4	31.1	
24	8.8	30.6	9.8	30.8	11.8	30.4	
25	8.6	30.3	10.0	30.7	11.6	31.1	
26	8.5	30.3	10.2	30.4	11.8	30.4	
27	8.6	29.5	10.8	30.0	11.6	30.6	
28	9.0	29.5	10.2	29.7	11.8	30.7	
29	9.2	29.4	10.6	30.3	11.8	31.0	
30	9.0	29.8	10.8	30.2	11.6	30.6	
31			11.0	30.3			
MEANS	8.5	30.3	9.8	30.6	11.5	30.9	
OBSVNS.	29	29	31	31	30	30	
MAXIMUM	9.2	31.1	11.0	31.1	12.0	31.8	
MINIMUM	8.2	29.4	9.0	29.7	10.6	30.2	
STD.DEV.	.28	.49	.50	.44	.39	.45	

MCINNES ISLAND 52 15.8 N 128 43.2 W

	JULY		AUGUST		SEPTEMBER 1984	
DATE	TEMP	SAL	TEMP	SAL	TEMP	SAL
1	11.6	30.7	* 13.0	* 29.8	14.2	31.4
2	11.8	31.0	12.6	30.3	14.2	30.8
3	11.6	31.2	14.2	30.4	14.0	29.8
4	12.4	29.1	14.6	30.0	14.0	29.8
5	12.6	28.8	14.2	30.3	14.0	29.5
6	12.6	28.8	14.5	30.4	14.2	28.2
7	12.8	29.0	14.8	30.3	14.2	28.8
8	13.0	29.1	14.2	30.4	14.2	30.0
9	13.0	29.3	14.5	30.4	14.2	30.3
10	13.0	29.8	14.6	30.3	13.8	30.3
11	12.8	29.1	15.2	30.0	13.5	29.5
12	13.0	28.8	15.2	30.3	14.0	27.6
13	13.2	28.9	14.4	30.3	14.3	27.7
14	13.2	28.5	14.0	30.8	14.2	16.6
15	* 13.2	* 28.6	14.5	30.6	13.5	27.4
16	13.2	28.8	14.2	30.4	13.5	28.2
17	12.8	29.1	14.0	30.3	13.6	29.0
18	12.8	29.0	14.2	30.3	13.6	29.0
19	13.0	29.0	14.4	30.6	13.6	29.3
20	12.8	29.7	15.0	30.7	13.5	28.5
21	12.4	29.7	15.2	29.8	12.5	28.6
22	12.0	29.9	15.0	29.5	12.2	28.6
23	13.2	30.0	14.8	30.2	11.5	28.6
24	13.6	29.3	15.0	29.3	11.8	28.4
25	13.6	29.1	15.0	28.2	12.0	28.4
26	13.5	29.1	14.5	30.2	11.8	28.9
27	14.5	29.0	14.2	30.0	11.8	29.1
28	14.2	29.3	14.0	30.8	11.8	29.7
29	14.0	29.3	14.0	30.8	12.0	29.9
30	13.4	29.5	13.6	30.3	12.0	29.8
31	13.4	29.3	14.4	30.4		
MEANS	13.0	29.4	14.4	30.2	13.3	28.7
OBSVNS.	30	30	30	30	30	30
MAXIMUM	14.5	31.2	15.2	30.8	14.3	31.4
MINIMUM	11.6	28.5	12.6	28.2	11.5	16.6
STD.DEV.	.69	.65	.54	.51	.99	2.48

MCINNES ISLAND 52 15.8 N 128 43.2 W

	OCTOBER		NOVEMBER		DECEMBER 1984	
DATE	TEMP	SAL	TEMP	SAL	TEMP	SAL
1	12.0	30.0	8.2	29.3	7.5	30.0
2	12.4	30.3	8.0	29.3	7.4	29.9
3	12.8	30.4	8.5	29.7	7.1	30.3
4	12.8	30.4	9.0	30.3	7.2	30.0
5	12.2	30.2	9.0	30.0	7.4	30.2
6	12.0	30.3	8.6	30.0	* 8.1	* 30.5
7	12.0	30.3	9.2	30.3	8.8	30.8
8	12.0	30.2	9.6	30.8	8.0	30.6
9	12.0	29.9	9.4	30.6	8.8	31.6
10	12.0	30.4	8.8	30.6	8.0	30.6
11	12.0	30.0	8.6	30.4	8.2	30.6
12	* 11.7	* 30.5	8.2	29.9	8.4	31.1
13	11.4	31.0	8.2	29.9	8.2	30.8
14	11.6	30.4	8.2	30.0	8.0	30.6
15	11.4	29.9	8.2	29.9	7.8	30.0
16	11.2	29.9	8.0	29.7	6.0	29.1
17	10.4	29.4	8.1	29.7	5.2	28.9
18	10.2	29.4	8.3	29.5	5.5	29.0
19	10.0	29.4	8.6	30.2	6.2	29.4
20	9.8	29.1	8.8	30.4	6.5	29.3
21	9.7	29.1	* 8.8	* 30.6	7.2	30.3
22	10.0	29.4	* 8.9	* 30.9	6.8	29.8
23	9.8	29.5	9.0	31.1	7.0	30.3
24	10.0	29.9	8.6	30.8	6.9	29.8
25	10.2	29.9	8.2	30.4	8.0	30.7
26	10.0	29.7	8.0	30.0	7.0	30.0
27	10.0	29.8	8.0	29.9	6.8	30.4
28	9.8	29.5	7.8	30.0	6.2	30.3
29	9.7	29.4	7.7	29.9	5.5	30.2
30	8.8	29.5	7.8	29.9	5.0	30.0
31	8.2	29.0			5.2	29.8
MEANS	10.9	29.9	8.4	30.1	7.1	30.1
OBSVNS.	30	30	28	28	30	30
YRLY.MEANS					10.1	30.0
MAXIMUM	12.8	31.0	9.6	31.1	8.8	31.6
MINIMUM	8.2	29.0	7.7	29.3	5.0	28.9
STD.DEV.	1.23	.48	.50	.44	1.08	.61

EGG ISLAND 51 15.1 N 127 14.9 W

DATE	JANUARY TEMP	JANUARY SAL	FEBRUARY TEMP	FEBRUARY SAL	MARCH TEMP	MARCH SAL
1	8.1	31.6	7.9	31.0	7.9	31.2
2	8.1	31.4	7.9	30.8	7.9	31.5
3	8.2	31.5	8.0	31.0	7.9	31.0
4	8.4	31.5	7.9	30.8	8.0	31.1
5	8.2	31.5	7.9	30.8	7.9	31.1
6	8.3	31.2	7.8	30.8	8.0	31.0
7	8.2	31.0	8.0	31.0	8.3	31.0
8	8.1	31.4	8.0	31.0	8.1	31.0
9	8.1	31.1	* 7.9	* 30.9	8.1	30.8
10	8.1	31.6	7.7	30.8	8.4	30.2
11	8.1	31.2	7.8	30.7	8.0	30.6
12	8.0	31.1	8.0	31.0	8.0	30.4
13	7.8	31.0	8.0	31.0	8.0	30.7
14	7.8	31.1	8.0	30.8	8.1	30.8
15	7.3	31.0	7.9	30.8	8.3	30.7
16	7.3	30.7	7.8	30.7	8.2	30.8
17	7.2	30.8	7.7	30.7	8.3	31.2
18	7.6	31.1	7.9	31.0	8.4	31.0
19	7.6	31.4	8.0	31.0	8.5	31.2
20	7.6	31.4	8.0	31.0	8.7	31.2
21	7.7	31.2	7.8	31.0	8.4	31.1
22	7.9	31.1	7.8	31.0	8.4	31.0
23	7.9	31.1	7.7	31.0	8.6	30.8
24	8.0	31.2	7.6	30.8	8.6	30.8
25	7.9	31.2	* 7.7	* 30.9	8.4	31.1
26	* 7.9	* 31.1	7.8	31.0	8.3	31.0
27	8.0	31.0	7.6	31.1	8.5	30.8
28	7.9	31.0	7.8	30.8	8.5	30.8
29	7.6	30.7	7.9	31.2	8.6	31.1
30	7.6	30.4			8.5	30.7
31	7.7	30.8			8.6	30.7
MEANS	7.9	31.1	7.9	30.9	8.3	30.9
OBSVNS.	30	30	27	27	31	31
MAXIMUM	8.4	31.6	8.0	31.2	8.7	31.5
MINIMUM	7.2	30.4	7.6	30.7	7.9	30.2
STD.DEV.	.30	.29	.12	.13	.25	.26

EGG ISLAND 51 15.1 N 127 14.9 W

DATE	APRIL TEMP	APRIL SAL	MAY TEMP	MAY SAL	JUNE TEMP	JUNE SAL	1984
1	8.7	30.8	9.8	29.3	11.5	29.8	
2	8.7	31.1	9.7	31.1	11.7	29.7	
3	8.5	30.6	10.0	29.9	11.0	29.4	
4	8.5	30.4	9.9	29.8	11.6	29.7	
5	8.8	30.2	10.6	28.9	10.5	29.8	
6	8.5	30.4	11.4	29.7	11.3	28.8	
7	8.2	30.7	9.0	29.5	10.7	29.1	
8	* 8.2	* 30.7	9.7	31.0	10.5	29.5	
9	8.3	30.7	9.4	31.1	11.6	29.0	
10	8.2	30.7	9.4	31.0	12.5	14.6	
11	8.3	30.7	9.8	30.6	12.7	28.4	
12	8.3	30.8	9.9	30.8	11.4	29.7	
13	8.3	31.0	9.9	29.9	11.0	30.2	
14	8.2	30.7	10.6	30.0	12.1	29.0	
15	* 8.3	* 30.9	10.2	29.7	11.9	29.4	
16	8.4	31.1	* 10.0	* 30.2	11.6	30.0	
17	8.7	31.1	9.7	30.7	11.9	29.7	
18	* 8.7	* 31.1	9.8	30.6	13.4	28.5	
19	8.6	31.2	9.9	30.6	13.2	27.2	
20	8.9	31.1	9.7	30.6	11.7	28.9	
21	8.7	30.8	9.9	30.7	13.7	24.7	
22	8.5	30.8	9.7	30.6	12.8	25.8	
23	8.5	31.0	9.7	31.2	13.0	26.8	
24	8.4	31.0	9.1	30.7	13.0	25.8	
25	8.6	30.6	9.7	30.6	13.0	26.4	
26	8.8	30.8	10.0	30.4	11.7	29.4	
27	8.8	30.4	10.1	30.4	11.3	29.7	
28	9.0	30.4	11.0	28.0	12.0	29.3	
29	9.4	30.0	11.0	29.5	11.0	30.2	
30	9.0	30.0	11.0	29.7	10.7	30.3	
31			10.5	30.6			
MEANS	8.6	30.7	10.0	30.2	11.9	28.3	
OBSVNS.	27	27	30	30	30	30	
MAXIMUM	9.4	31.2	11.4	31.2	13.7	30.3	
MINIMUM	8.2	30.0	9.0	28.0	10.5	14.6	
STD.DEV.	.29	.33	.57	.73	.90	2.98	

EGG ISLAND 51 15.1 N 127 14.9 W

DATE	JULY TEMP	JULY SAL	AUGUST TEMP	AUGUST SAL	SEPTEMBER 1984 TEMP	SEPTEMBER 1984 SAL
1	10.5	30.7	* 14.3	* 29.2	12.4	30.0
2	12.3	29.3	14.6	29.0	12.9	29.0
3	11.8	30.3	16.7	25.9	11.9	29.1
4	11.0	29.1	14.0	27.8	12.1	28.9
5	11.6	29.7	13.0	27.1	11.0	30.4
6	11.9	25.5	12.4	28.4	10.7	31.6
7	12.0	25.1	11.3	31.2	10.3	31.4
8	13.0	25.2	10.7	31.1	10.1	31.2
9	13.8	24.4	11.0	31.2	10.3	31.1
10	15.4	22.4	12.7	30.4	10.3	31.0
11	13.8	21.2	12.2	30.7	11.1	31.5
12	13.8	20.9	12.8	29.9	11.5	31.9
13	13.8	26.3	12.9	29.0	11.8	31.6
14	13.8	25.9	13.6	28.6	11.8	31.6
15	14.5	23.9	14.0	27.8	11.8	30.7
16	13.3	25.6	13.5	28.9	11.5	30.2
17	11.3	29.9	13.3	29.7	11.4	31.1
18	13.9	16.0	13.2	30.0	10.7	30.6
19	12.5	28.1	14.2	29.5	11.5	29.1
20	12.9	27.2	13.8	29.7	11.3	30.7
21	12.1	28.6	14.9	29.8	11.3	29.3
22	11.1	29.5	13.9	27.8	10.8	30.7
23	12.7	28.2	14.1	26.7	10.9	30.3
24	13.9	27.3	14.5	25.9	11.3	31.8
25	13.1	28.9	12.3	30.6	11.3	31.4
26	15.0	26.7	13.8	28.8	11.7	31.6
27	15.7	25.0	12.5	29.7	11.3	31.4
28	15.5	26.3	12.9	30.0	11.1	31.9
29	16.4	25.1	13.1	29.7	11.0	31.2
30	14.0	28.8	* 12.9	* 29.8	11.0	30.8
31	14.0	29.3	* 12.6	* 29.9		
MEANS	13.2	26.5	13.3	29.1	11.3	30.8
OBSVNS.	31	31	28	28	30	30
MAXIMUM	16.4	30.7	16.7	31.2	12.9	31.9
MINIMUM	10.5	16.0	10.7	25.9	10.1	28.9
STD.DEV.	1.49	3.24	1.24	1.49	.64	.92

EGG ISLAND 51 15.1 N 127 14.9 W

	OCTOBER		NOVEMBER		DECEMBER 1984	
DATE	TEMP	SAL	TEMP	SAL	TEMP	SAL
1	11.0	30.4	8.6	31.5	7.7	31.9
2	10.8	31.5	8.9	30.6	7.1	31.2
3	10.8	31.2	9.2	31.8	7.8	31.1
4	9.9	31.5	9.1	31.2	7.5	31.1
5	9.8	31.5	8.7	31.4	7.6	31.1
6	10.1	31.5	8.7	32.0	8.2	31.0
7	9.9	31.6	8.7	31.8	8.1	31.1
8	10.1	31.1	8.8	31.5	7.9	31.0
9	10.1	31.4	8.9	31.9	8.0	31.0
10	10.4	32.1	8.3	31.2	8.1	31.1
11	10.7	30.6	8.0	31.6	8.1	31.0
12	10.4	31.8	8.2	31.9	8.2	31.0
13	10.1	31.5	7.9	31.6	7.7	31.2
14	10.9	31.8	8.0	31.6	7.9	31.6
15	10.0	31.5	8.0	31.8	7.3	31.0
16	10.0	31.4	7.7	31.9	6.7	31.0
17	9.8	31.5	8.1	31.6	6.0	30.7
18	9.3	31.4	8.6	31.6	6.7	31.1
19	9.2	31.5	8.1	32.3	6.9	31.0
20	8.9	30.2	8.2	32.0	7.0	31.4
21	9.1	30.8	8.2	31.9	7.4	31.6
22	9.4	30.8	8.4	31.9	7.6	31.5
23	9.7	31.0	8.7	31.8	7.3	31.2
24	9.6	31.2	8.5	32.0	7.3	31.2
25	9.7	31.6	8.3	31.9	7.3	31.6
26	9.4	32.3	8.1	30.7	7.2	32.5
27	9.7	31.4	8.2	31.5	6.6	32.3
28	8.7	31.4	8.1	31.5	5.1	31.2
29	9.0	31.6	8.0	31.8	6.3	32.3
30	8.2	31.0	8.1	31.8	6.3	32.3
31	8.4	31.6			6.0	32.1
MEANS	9.8	31.3	8.4	31.7	7.3	31.4
OBSVNS.	31	31	30	30	31	31
YRLY.MEANS					9.8	30.2
MAXIMUM	11.0	32.3	9.2	32.3	8.2	32.5
MINIMUM	8.2	30.2	7.7	30.6	5.1	30.7
STD.DEV.	.71	.45	.38	.37	.76	.48

PINE ISLAND 50 58.5 N 127 43.6 W

DATE	JANUARY TEMP	JANUARY SAL		FEBRUARY TEMP	FEBRUARY SAL	MARCH TEMP	MARCH SAL
1	8.3	31.0		8.2	30.8	7.9	30.3
2	8.6	31.0		8.2	30.8	8.0	30.3
3	8.4	31.0		8.1	30.7	8.1	30.4
4	8.6	31.1		8.1	30.7	8.3	30.8
5	8.5	31.1		8.3	30.4	8.4	30.4
6	8.6	30.7		8.3	30.3	8.6	30.7
7	8.6	30.6		8.2	30.7	8.7	30.4
8	8.6	31.0		8.2	30.8	8.8	30.6
9	8.5	30.7		8.2	31.0	8.8	30.4
10	8.7	30.8		7.9	30.3	8.7	30.3
11	8.8	30.6		7.9	30.6	8.2	30.2
12	8.9	30.8		8.1	30.4	8.2	30.4
13	8.5	30.7	*	8.1	* 30.5	8.3	30.7
14	8.3	30.8		8.0	30.7	8.2	30.7
15	8.1	31.0		8.0	30.4	8.3	30.8
16	8.4	30.8		8.0	30.6	8.3	30.7
17	8.1	31.0		7.9	30.4	8.4	31.0
18	8.0	31.1		8.0	30.8	8.6	30.6
19	8.0	31.2	*	8.0	* 30.9	8.8	30.4
20	7.8	30.7		8.1	31.0	9.1	30.4
21	7.9	31.1		8.1	30.8	9.2	31.0
22	8.3	30.8		8.0	30.7	8.8	30.4
23	8.1	31.0		7.9	30.6	8.7	30.3
24	8.2	31.0		7.8	31.0	8.8	30.4
25	8.2	30.7		7.8	31.1	8.6	30.3
26	8.1	30.3		7.7	31.0	8.7	30.7
27	8.2	30.0		7.7	31.0	8.6	30.6
28	8.4	30.4		7.8	30.0	8.7	30.7
29	8.0	30.3		8.0	30.0	8.5	30.7
30	7.9	30.6				8.6	30.7
31	8.0	30.8				8.9	30.6
MEANS	8.3	30.8		8.0	30.7	8.5	30.5
OBSVNS.	31	31		27	27	31	31
MAXIMUM	8.9	31.2		8.3	31.1	9.2	31.0
MINIMUM	7.8	30.0		7.7	30.0	7.9	30.2
STD.DEV.	.29	.28		.17	.30	.31	.21

PINE ISLAND 50 58.5 N 127 43.6 W

DATE	APRIL TEMP	APRIL SAL	MAY TEMP	MAY SAL	JUNE TEMP	JUNE SAL	1984
1	8.8	30.7	9.1	30.7	9.8	31.0	
2	8.8	30.2	9.0	30.3	9.8	31.0	
3	8.7	30.6	9.0	30.6	9.7	30.8	
4	8.9	30.6	9.1	30.6	9.8	30.8	
5	8.9	30.8	9.4	31.0	9.8	31.1	
6	8.4	30.8	9.4	31.1	9.8	31.5	
7	8.4	31.0	9.3	31.0	9.4	31.2	
8	8.4	31.1	9.1	30.7	9.4	31.2	
9	8.1	30.8	9.0	30.6	9.7	31.6	
10	8.1	31.0	8.8	30.7	10.1	31.4	
11	8.3	31.1	8.9	30.6	10.2	31.2	
12	8.4	30.8	9.0	30.6	10.2	31.1	
13	8.4	30.8	9.1	31.0	10.1	31.4	
14	8.5	30.8	9.5	31.1	10.5	31.4	
15	* 8.6	* 30.9	9.3	30.7	10.5	31.4	
16	8.8	31.0	9.2	31.1	9.8	31.1	
17	8.7	31.1	9.2	31.0	9.8	31.1	
18	8.9	30.7	9.2	30.8	10.0	31.5	
19	9.0	30.8	9.3	30.8	10.2	31.4	
20	9.1	30.3	9.1	31.0	10.2	31.4	
21	9.0	30.6	9.1	31.2	10.0	31.1	
22	8.7	30.6	* 9.3	* 31.1	10.2	31.2	
23	8.6	30.3	9.5	31.0	10.2	31.1	
24	8.6	30.4	9.7	31.0	10.0	31.1	
25	8.6	30.3	9.8	30.8	10.0	31.4	
26	8.9	30.3	9.6	31.0	10.0	31.4	
27	9.0	30.3	9.8	31.1	10.0	31.6	
28	9.2	30.7	9.8	30.3	10.1	31.1	
29	9.1	30.6	9.9	30.6	9.9	31.2	
30	8.8	30.6	9.9	31.1	10.0	31.1	
31			10.0	31.0			
MEANS	8.7	30.7	9.3	30.8	10.0	31.2	
OBSVNS.	29	29	30	30	30	30	
MAXIMUM	9.2	31.1	10.0	31.2	10.5	31.6	
MINIMUM	8.1	30.2	8.8	30.3	9.4	30.8	
STD.DEV.	.30	.27	.34	.24	.26	.21	

PINE ISLAND 50 58.5 N 127 43.6 W

	JULY		AUGUST		SEPTEMBER 1984	
DATE	TEMP	SAL	TEMP	SAL	TEMP	SAL
1	9.9	31.4	11.0	31.9	10.2	31.2
2	9.9	31.4	10.8	31.6	10.3	31.4
3	9.9	31.5	10.2	31.1	10.2	31.2
4	9.9	31.6	10.2	31.0	10.0	31.2
5	10.0	31.6	10.3	31.2	10.0	31.2
6	9.7	31.5	10.1	31.2	10.6	31.1
7	10.3	31.0	10.3	31.6	10.6	30.8
8	10.2	31.0	10.2	31.5	10.7	31.0
9	10.0	31.1	11.4	31.8	11.1	30.8
10	10.0	31.4	10.8	31.6	10.5	31.0
11	9.8	31.4	10.7	31.4	10.4	31.5
12	10.0	31.4	11.0	31.2	10.7	31.4
13	10.4	31.2	11.1	31.5	10.7	31.0
14	11.3	30.4	10.8	31.4	10.9	31.1
15	11.1	30.7	10.8	31.1	10.3	31.0
16	10.4	31.4	11.0	31.4	10.2	30.7
17	10.3	31.2	11.6	31.4	10.5	30.7
18	10.5	31.6	11.9	31.4	12.0	30.6
19	10.2	31.6	12.5	31.0	10.9	30.6
20	10.4	31.8	13.0	31.4	11.4	30.8
21	10.4	31.8	12.6	30.4	11.1	31.1
22	11.2	31.5	12.1	30.0	10.5	31.2
23	10.6	31.4	11.6	30.6	10.7	31.0
24	11.0	31.0	10.8	30.8	10.5	31.1
25	11.5	30.7	10.7	31.0	10.3	31.4
26	11.6	30.4	10.5	31.0	10.0	31.5
27	11.2	30.7	10.2	31.2	9.8	31.6
28	10.8	31.1	10.1	31.8	10.0	31.5
29	11.2	31.2	10.1	31.5	9.9	31.4
30	11.2	31.4	9.9	31.4	10.0	31.5
31	11.4	31.5	10.1	31.5		
MEANS	10.5	31.3	10.9	31.3	10.5	31.1
OBSVNS.	31	31	31	31	30	30
MAXIMUM	11.6	31.8	13.0	31.9	12.0	31.6
MINIMUM	9.7	30.4	9.9	30.0	9.8	30.6
STD.DEV.	.58	.37	.82	.41	.48	.29

PINE ISLAND 50 58.5 N 127 43.6 W

DATE	OCTOBER TEMP	OCTOBER SAL	NOVEMBER TEMP	NOVEMBER SAL	DECEMBER 1984 TEMP	DECEMBER 1984 SAL
1	9.8	31.2	* 8.3	* 31.1	9.3	30.8
2	9.8	31.2	8.4	31.0	9.2	31.0
3	10.4	31.2	8.7	30.8	8.6	31.0
4	10.2	31.2	9.0	30.8	8.0	31.0
5	10.6	31.4	8.9	31.0	8.0	31.1
6	10.9	31.5	9.0	31.0	8.0	31.0
7	10.6	31.6	8.8	30.8	8.4	30.8
8	10.7	31.8	8.8	30.8	8.6	31.2
9	11.3	31.8	8.8	30.8	8.8	30.7
10	11.2	31.4	9.4	31.0	9.0	31.0
11	12.1	31.4	9.0	31.1	9.0	31.1
12	* 11.9	* 31.4	8.9	30.8	* 9.0	* 30.9
13	11.6	31.5	8.7	30.7	* 8.9	* 30.6
14	11.8	31.8	8.6	30.7	8.8	30.4
15	10.8	31.4	8.4	30.8	8.7	30.4
16	9.9	31.1	8.5	31.0	8.4	30.6
17	10.0	31.5	8.4	31.0	8.2	30.7
18	9.9	31.4	8.7	31.0	8.0	30.6
19	9.6	30.8	8.5	30.7	7.8	30.7
20	9.8	31.1	8.8	30.8	7.8	30.8
21	9.7	31.4	8.6	31.0	7.9	30.7
22	9.8	30.8	* 8.6	* 31.0	8.0	31.0
23	9.6	30.8	8.6	31.1	8.0	31.1
24	9.6	30.7	8.9	30.8	8.0	31.1
25	9.8	31.2	9.1	31.0	8.0	31.0
26	10.0	31.5	9.0	31.0	8.0	31.0
27	9.7	31.5	8.7	30.8	8.0	31.1
28	9.2	31.2	8.8	30.6	7.7	30.8
29	9.2	31.2	8.8	31.0	7.4	30.8
30	9.0	31.6	9.0	31.0	7.3	30.8
31	8.2	31.2			7.1	30.7
MEANS	10.2	31.3	8.8	30.9	8.2	30.9
OBSVNS.	30	30	28	28	29	29
YRLY.MEANS			9.4	31.1	9.4	31.0
MAXIMUM	12.1	31.8	8.4	30.6	9.3	31.2
MINIMUM	8.2	30.7	.23	.14	7.1	30.4
STD.DEV.	.87	.29			.55	.21

KAINS ISLAND 50 26.6 N 128 01.8 W

	JANUARY		FEBRUARY		MARCH	1984
DATE	TEMP	SAL	TEMP	SAL	TEMP	SAL
1	8.4	29.1	9.2	28.4	8.1	25.9
2	8.6	28.8	8.8	27.7	7.9	26.1
3	8.8	27.4	8.7	26.7	7.9	26.7
4	9.0	29.3	8.7	27.2	8.2	27.4
5	9.1	29.0	8.5	28.0	8.9	28.1
6	8.8	28.8	8.6	28.2	8.9	28.1
7	9.2	28.8	8.8	28.2	9.2	28.1
8	8.9	27.4	8.8	* 27.7	9.3	28.4
9	9.0	28.0	8.8	27.2	9.3	28.6
10	9.0	27.4	8.7	27.4	9.2	28.6
11	9.4	26.9	8.6	27.7	8.8	28.4
12	9.2	26.7	8.7	28.0	8.6	28.4
13	8.8	26.9	8.3	28.1	8.8	28.4
14	8.9	27.2	8.4	27.8	8.6	28.6
15	7.8	28.1	7.9	27.6	9.0	28.6
16	8.4	28.6	8.1	27.6	8.9	29.1
17	8.2	29.1	8.3	*	9.1	29.1
18	8.0	29.1	8.5	*	9.3	29.1
19	7.5	29.1	8.8	*	9.3	28.4
20	8.0	29.7	8.8	28.2	9.7	29.0
21	8.3	29.7	8.2	27.8	9.4	28.6
22	8.3	28.9	8.4	27.8	9.0	29.1
23	8.2	28.6	8.0	27.6	9.2	28.6
24	8.2	27.1	7.8	28.1	8.9	28.4
25	8.4	27.6	8.0	28.2	8.6	28.9
26	8.6	28.8	8.8	28.8	8.4	26.4
27	8.6	28.0	8.2	29.0	8.5	27.3
28	8.9	27.7	8.0	26.9	8.9	29.4
29	8.1	27.3	8.6	25.8	8.7	27.1
30	8.0	27.1			9.2	29.1
31	8.3	26.8			9.4	27.6
MEANS	8.5	28.2	8.5	27.8	8.9	28.2
OBSVNS.	31	31	29	25	31	31
MAXIMUM	9.4	29.7	9.2	29.0	9.7	29.4
MINIMUM	7.5	26.7	7.8	25.8	7.9	25.9
STD.DEV.	.46	.94	.35	.67	.45	.93

KAINS ISLAND 50 26.6 N 128 01.8 W

DATE	APRIL TEMP	APRIL SAL	MAY TEMP	MAY SAL	JUNE TEMP	JUNE SAL	1984
1	9.4	28.6	10.1	29.3	10.7	29.1	
2	9.3	28.9	10.2	29.3	11.0	29.1	
3	8.9	28.9	10.0	29.3	10.7	29.9	
4	9.5	28.4	10.4	29.3	11.0	29.9	
5	9.3	28.6	10.6	29.1	10.4	29.3	
6	9.0	29.1	11.0	29.5	10.6	29.4	
7	9.1	29.9	10.0	29.8	10.7	29.1	
8	9.1	30.0	10.0	30.0	10.3	*	
9	8.8	29.4	10.1	30.0	10.9	*	
10	8.7	29.4	10.5	29.1	11.2	*	
11	8.6	29.3	10.4	28.5	11.8	*	
12	8.4	26.7	10.5	29.1	11.8	*	
13	8.4	27.4	10.8	28.9	11.7	*	
14	8.9	28.9	10.9	29.1	11.6	*	
15	9.0	28.6	10.8	28.9	11.2	*	
16	9.1	28.6	10.6	29.8	11.2	*	
17	9.2	28.9	10.4	29.8	11.3	*	
18	9.3	29.0	10.4	29.8	11.3		31.5
19	9.6	28.5	10.3	30.3	11.7		31.0
20	9.7	29.3	10.2	29.7	13.1		30.7
21	9.7	29.0	10.8	29.1	11.5		31.9
22	8.8	29.4	10.2	29.5	10.7		31.9
23	9.0	29.1	10.4	29.8	11.3		31.8
24	8.6	28.6	10.7	28.6	11.3		31.1
25	8.9	28.4	10.0	27.7	12.1		31.5
26	9.3	28.6	10.9	28.1	11.6		31.5
27	9.5	29.7	10.8	28.6	11.6		31.5
28	9.8	29.3	10.7	28.9	12.5		31.6
29	10.0	29.3	11.2	28.4	12.2		30.8
30	9.8	29.0	11.0	29.1	11.8		30.8
31			11.1	29.4			
MEANS	9.2	28.9	10.5	29.2	11.4		30.7
OBSVNS.	30	30	31	31	30		20
MAXIMUM	10.0	30.0	11.2	30.3	13.1		31.9
MINIMUM	8.4	26.7	10.0	27.7	10.3		29.1
STD.DEV.	.42	.66	.36	.59	.63		1.03

KAINS ISLAND 50 26.6 N 128 01.8 W

	JULY		AUGUST		SEPTEMBER 1984	
DATE	TEMP	SAL	TEMP	SAL	TEMP	SAL
1	12.5	29.8	13.7	31.4	14.0	30.7
2	12.3	30.0	12.7	31.2	14.2	30.7
3	12.3	30.8	13.0	31.5	14.4	30.6
4	12.2	31.2	13.4	31.4	14.0	30.2
5	12.8	30.7	13.9	31.1	13.8	30.2
6	11.8	30.8	13.8	30.7	14.1	29.8
7	11.8	30.6	14.1	31.0	14.2	29.9
8	13.2	28.5	14.3	30.8	14.6	31.0
9	11.9	30.6	15.6	29.7	14.8	31.0
10	12.6	30.0	15.0	30.7	14.4	30.8
11	12.8	29.9	14.0	31.2	14.0	28.5
12	12.0	30.3	13.2	31.2	15.2	25.8
13	12.8	29.8	13.6	31.1	14.2	29.4
14	13.2	29.5	14.0	29.4	14.6	30.3
15	13.8	30.0	14.3	29.1	14.4	29.5
16	13.9	30.2	14.7	29.8	14.3	30.4
17	12.7	30.8	14.6	31.0	14.8	28.4
18	12.6	30.6	14.3	30.8	14.8	30.2
19	11.9	30.8	15.1	30.4	14.0	28.4
20	12.1	31.1	14.8	31.0	14.1	29.9
21	12.2	31.0	14.8	30.7	13.3	30.3
22	13.0	31.0	14.7	29.3	12.2	30.6
23	13.8	31.2	14.5	29.9	12.0	30.6
24	14.0	31.2	15.3	30.0	12.0	30.8
25	13.0	32.5	15.1	30.2	12.2	30.3
26	12.1	31.4	14.0	31.2	11.9	30.8
27	13.1	31.2	13.4	31.4	12.0	30.8
28	13.2	31.2	13.4	30.8	12.0	30.6
29	14.0	31.0	13.9	31.2	12.2	30.8
30	13.9	31.2	13.9	31.0	12.4	30.8
31	13.7	31.4	14.2	31.0		
MEANS	12.8	30.7	14.2	30.7	13.6	30.1
OBSVNS.	31	31	31	31	30	30
MAXIMUM	14.0	32.5	15.6	31.5	15.2	31.0
MINIMUM	11.8	28.5	12.7	29.1	11.9	25.8
STD.DEV.	.72	.74	.70	.67	1.08	1.09

KAINS ISLAND 50 26.6 N 128 01.8 W

DATE	OCTOBER TEMP	OCTOBER SAL	NOVEMBER TEMP	NOVEMBER SAL	DECEMBER TEMP	DECEMBER SAL
1	12.4	30.8	9.2	29.9	8.2	29.0
2	13.2	31.2	9.2	29.8	8.0	29.7
3	13.2	31.0	10.2	30.7	7.8	29.1
4	12.9	31.2	10.4	29.4	8.0	29.4
5	12.8	31.2	9.2	29.3	7.7	29.1
6	12.5	31.1	9.2	28.8	9.2	30.2
7	12.5	30.8	9.2	28.5	8.6	27.6
8	12.9	28.2	9.3	28.8	8.0	27.3
9	12.2	31.4	9.8	28.9	9.1	30.0
10	12.1	28.2	8.9	28.2	8.2	27.3
11	11.8	26.9	9.1	29.1	8.3	28.4
12	11.7	28.4	9.2	30.2	8.8	28.5
13	11.7	30.2	8.5	29.1	8.8	29.0
14	11.2	28.2	9.4	29.3	8.6	28.8
15	11.2	28.8	8.8	29.8	7.6	27.1
16	10.3	28.0	9.0	29.3	7.5	28.6
17	10.7	28.0	9.6	29.9	7.4	28.5
18	10.7	29.0	9.5	30.2	7.6	28.6
19	10.2	28.6	9.3	30.0	8.0	28.6
20	10.1	27.8	9.0	28.8	8.1	28.6
21	10.1	28.4	9.1	28.8	8.1	28.1
22	10.8	29.0	9.8	30.4	8.0	28.4
23	10.1	29.1	9.1	28.9	8.4	28.9
24	11.1	29.5	8.5	28.2	8.4	29.7
25	10.5	26.4	8.3	27.6	8.2	29.7
26	10.7	28.8	8.5	28.8	8.0	29.7
27	10.4	28.1	8.3	29.3	7.9	29.8
28	9.7	29.1	8.8	28.2	7.2	29.1
29	10.2	29.7	8.8	29.4	6.2	29.7
30	9.0	30.0	8.8	29.0	6.0	29.7
31	9.0	30.0			6.6	30.0
MEANS	11.2	29.3	9.1	29.2	8.0	28.9
OBSVNS.	31	31	30	30	31	31
YRLY.MEANS					10.5	29.3
					9.2	30.2
MAXIMUM	13.2	31.4	10.4	30.7	6.0	27.1
MINIMUM	9.0	26.4	8.3	27.6	.73	.84
STD.DEV.	1.21	1.36	.50	.72		

AMPHITRITE POINT 48 55.3 N 125 32.3 W

	JANUARY		FEBRUARY		MARCH	1984
DATE	TEMP	SAL	TEMP	SAL	TEMP	SAL
1	8.2	29.4	8.7	29.9	8.6	26.5
2	8.7	28.2	8.8	29.4	8.7	29.7
3	8.8	26.3	8.8	29.1	8.8	27.3
4	8.9	28.6	8.4	27.6	8.6	28.1
5	8.9	28.5	7.8	27.2	8.7	28.2
6	8.9	27.6	8.1	27.7	8.7	28.4
7	9.0	27.4	8.0	27.2	8.9	29.0
8	9.1	28.0	8.7	29.7	9.7	25.9
9	9.1	27.6	* 8.6	* 29.7	9.2	27.4
10	8.9	29.5	8.4	29.7	9.0	28.4
11	8.7	28.0	8.1	30.0	8.8	28.0
12	8.1	27.2	8.2	29.7	8.7	28.4
13	7.5	26.4	8.2	29.3	8.7	28.2
14	6.6	25.5	8.2	29.5	9.0	27.6
15	6.3	26.0	8.8	28.5	9.1	28.1
16	6.3	25.8	8.5	28.4	9.1	27.1
17	6.2	26.0	8.5	28.5	9.8	28.6
18	6.0	26.0	* 8.5	* 28.3	10.0	27.6
19	6.3	26.7	8.6	28.1	10.0	28.0
20	6.5	26.7	8.5	27.4	9.9	28.4
21	7.1	27.8	8.8	27.3	10.0	28.2
22	8.0	28.2	8.4	26.3	10.0	28.4
23	8.1	27.1	8.6	26.5	9.9	28.5
24	8.2	27.3	8.8	29.0	9.5	26.8
25	8.1	26.9	7.9	28.1	9.5	27.3
26	8.4	26.5	7.4	25.4	9.3	26.7
27	8.2	28.1	8.1	27.8	9.4	26.1
28	8.3	29.0	8.0	26.3	9.5	26.0
29	8.1	29.4	8.2	26.5	9.6	26.3
30	8.0	28.6			9.8	26.4
31	8.3	28.4			10.0	27.7
MEANS	7.9	27.5	8.4	28.2	9.3	27.7
OBSVNS.	31	31	27	27	31	31
MAXIMUM	9.1	29.5	8.8	30.0	10.0	29.7
MINIMUM	6.0	25.5	7.4	25.4	8.6	25.9
STD.DEV.	1.00	1.14	.36	1.30	.51	.95

AMPHITRITE POINT 48 55.3 N 125 32.3 W

DATE	APRIL TEMP	APRIL SAL	MAY TEMP	MAY SAL	JUNE TEMP	JUNE SAL
1	10.0	27.1	10.2	27.3	11.0	29.8
2	10.1	27.4	10.3	29.3	10.9	30.6
3	10.1	27.3	10.3	29.1	10.7	29.5
4	10.2	27.4	10.2	27.3	11.8	29.4
5	9.9	28.2	10.5	28.8	11.4	29.4
6	9.7	28.4	10.5	29.0	11.0	29.8
7	9.6	29.3	10.8	27.4	10.0	31.1
8	9.5	29.0	10.9	28.5	9.9	30.6
9	* 9.3	* 28.8	10.3	28.9	10.5	29.4
10	* 9.2	* 28.7	10.2	27.7	11.8	28.9
11	9.0	28.5	10.5	28.1	10.9	29.9
12	9.1	28.4	10.8	28.2	11.1	30.2
13	9.0	27.7	10.7	28.1	11.8	29.5
14	9.3	28.1	11.0	27.8	11.2	30.2
15	9.8	27.8	11.6	28.2	10.5	30.6
16	9.9	28.1	11.0	29.0	11.0	30.4
17	10.1	26.4	11.0	28.8	11.0	30.8
18	10.6	27.4	11.0	28.5	11.0	30.8
19	10.6	27.6	10.8	28.8	11.0	30.2
20	10.4	26.9	11.0	28.1	11.1	29.8
21	10.4	28.1	11.8	27.2	10.8	30.8
22	10.3	28.0	11.5	27.3	11.0	30.6
23	10.1	27.6	10.7	29.8	11.8	30.4
24	9.0	28.1	11.0	28.0	11.9	30.3
25	9.7	28.1	11.1	27.3	11.2	30.3
26	9.9	27.4	11.8	26.9	11.0	30.6
27	10.0	27.3	12.0	27.1	11.1	30.0
28	10.1	28.9	13.1	26.9	12.0	29.5
29	10.1	28.2	12.2	28.4	12.1	30.3
30	10.0	26.5	10.8	29.8	12.0	30.0
31			11.2	29.9		
MEANS	9.9	27.8	11.0	28.2	11.1	30.1
OBSVNS.	28	28	31	31	30	30
MAXIMUM	10.6	29.3	13.1	29.9	12.1	31.1
MINIMUM	9.0	26.4	10.2	26.9	9.9	28.9
STD.DEV.	.46	.70	.67	.88	.56	.54

AMPHITRITE POINT 48 55.3 N 125 32.3 W

	JULY		AUGUST		SEPTEMBER 1984	
DATE	TEMP	SAL	TEMP	SAL	TEMP	SAL
1	12.0	29.3	14.0	29.9	13.2	30.2
2	12.8	29.4	14.2	30.2	13.2	29.9
3	13.1	29.3	14.1	29.8	13.2	30.4
4	13.0	28.9	14.3	29.7	13.6	29.7
5	12.8	29.3	14.2	29.9	13.1	28.8
6	12.2	30.4	14.0	29.7	13.0	29.7
7	11.2	30.4	14.1	29.4	13.1	29.3
8	11.7	30.3	14.5	29.8	12.7	29.4
9	11.0	30.4	12.9	30.6	12.7	29.7
10	11.4	30.7	14.0	29.8	12.9	29.5
11	11.2	30.6	13.9	30.0	13.0	29.5
12	11.9	31.0	14.6	29.9	13.1	29.8
13	11.9	30.8	14.4	30.0	13.8	29.7
14	12.1	30.7	14.0	30.2	14.2	29.7
15	12.0	31.0	15.5	29.7	13.3	29.1
16	12.0	31.1	14.7	29.8	13.0	29.0
17	12.2	30.8	15.8	29.4	13.5	28.2
18	11.0	31.0	15.0	30.2	12.7	29.8
19	11.1	30.7	15.0	30.4	12.1	29.4
20	11.0	31.5	14.9	30.3	12.2	30.2
21	11.5	31.2	14.8	30.3	12.3	30.0
22	12.5	31.1	13.9	30.0	12.3	29.9
23	13.6	30.2	12.9	31.0	12.5	29.7
24	14.0	29.8	13.9	30.4	12.8	29.8
25	14.7	29.9	13.5	30.3	12.8	29.3
26	13.9	30.6	13.3	30.4	13.1	29.3
27	14.9	29.9	12.7	30.7	13.3	29.1
28	14.8	29.7	12.3	30.4	13.5	29.3
29	15.0	29.4	12.5	30.3	13.3	28.9
30	14.7	29.7	13.2	30.2	13.1	28.9
31	13.7	30.4	13.2	30.0		
MEANS	12.6	30.3	14.0	30.1	13.0	29.5
OBSVNS.	31	31	31	31	30	30
MAXIMUM	15.0	31.5	15.8	31.0	14.2	30.4
MINIMUM	11.0	28.9	12.3	29.4	12.1	28.2
STD.DEV.	1.30	.69	.85	.36	.47	.47

AMPHITRITE POINT 48 55.3 N 125 32.3 W

	OCTOBER		NOVEMBER		DECEMBER 1984	
DATE	TEMP	SAL	TEMP	SAL	TEMP	SAL
1	13.0	29.5	10.7	29.8	8.4	27.1
2	12.9	30.2	10.7	29.9	8.6	27.6
3	12.4	30.0	* 10.5	* 30.2	8.5	26.8
4	12.3	29.8	10.2	30.6	8.3	28.6
5	11.9	30.0	10.1	29.5	8.2	28.8
6	11.5	29.8	10.1	27.7	8.0	28.2
7	11.6	29.7	10.3	29.4	8.2	28.1
8	11.5	30.3	10.0	28.5	8.2	28.4
9	* 11.8	* 29.7	10.0	28.4	8.4	28.4
10	12.1	29.1	9.6	27.2	8.9	28.4
11	12.4	26.7	10.5	28.5	8.8	27.2
12	* 12.4	* 27.4	10.0	23.9	8.9	28.8
13	* 12.4	* 28.1	10.6	28.6	8.4	27.8
14	12.4	28.8	9.8	27.3	8.5	27.3
15	12.1	25.0	9.7	27.8	8.4	27.6
16	11.8	22.5	9.7	28.0	8.4	27.3
17	11.3	23.1	9.6	28.5	7.5	28.5
18	11.0	23.5	9.3	28.6	7.3	28.4
19	11.2	26.7	9.5	28.8	7.0	27.4
20	11.1	26.5	9.8	29.0	6.9	24.0
21	11.2	26.8	10.0	28.8	6.9	27.3
22	11.5	26.8	9.9	28.4	8.0	28.8
23	11.2	26.5	10.2	29.1	8.8	29.9
24	11.2	26.1	9.3	27.2	7.9	28.4
25	12.2	29.1	9.7	27.4	7.9	28.1
26	12.0	28.0	8.8	26.7	7.8	28.6
27	12.0	28.2	8.9	26.9	7.8	28.5
28	11.8	29.7	8.7	26.7	8.0	29.7
29	11.1	28.6	8.6	27.1	6.2	29.0
30	10.8	30.0	8.6	26.8	6.5	28.9
31	10.8	29.7			* 6.6	* 28.6
MEANS	11.7	27.9	9.8	28.1	8.0	28.1
OBSVNS.	28	28	29	29	30	30
YRLY.MEANS					10.6	28.6
MAXIMUM	13.0	30.3	10.7	30.6	8.9	29.9
MINIMUM	10.8	22.5	8.6	23.9	6.2	24.0
STD.DEV.	.60	2.28	.60	1.32	.71	1.07

APE BEALE 49° 47.2 N 125 12.9 W

DATE	JANUARY TEMP	JANUARY SAL	FEBRUARY TEMP	FEBRUARY SAL	MARCH TEMP	MARCH SAL
1	8.0	31.0	8.0	30.0	8.0	29.0
2	7.9	28.0	8.0	30.0	8.0	29.0
3	8.2	29.0	8.0	30.0	8.0	29.0
4	8.4	29.0	7.8	30.0	8.4	28.0
5	8.4	31.0	8.0	30.0	8.5	28.0
6	8.9	31.0	8.0	30.0	9.0	28.0
7	9.0	30.0	8.0	29.0	9.2	28.0
8	8.5	30.0	8.2	30.0	9.0	28.0
9	8.4	30.0	8.0	30.0	9.0	29.0
10	8.0	29.0	8.0	30.0	9.2	29.0
11	8.2	30.0	8.0	30.0	9.0	29.0
12	8.2	30.0	8.2	* 30.0	8.5	29.0
13 *	7.8 *	30.0	8.2	30.0	8.5	28.0
14	7.5	30.0	8.0	28.0	8.5	29.0
15	7.0	30.0	8.0	30.0	8.0	29.0
16	6.5	30.0 *	8.2 *	30.0	9.0 *	29.0
17	7.0	29.0	8.4	30.0	9.7	30.0
18	7.0	30.0	8.4	30.0	9.5	29.0
19	7.8	30.0	8.5	28.0	9.3	30.0
20	7.5	30.0	8.8	27.0	9.2	30.0
21	7.8	30.0	8.2	28.0	9.9	29.0
22	7.8	30.0	8.0	29.0	9.2	29.0
23	7.9	30.0	8.0	28.0	10.0	30.0
24	8.0	30.0	8.0	28.0	10.0	30.0
25	8.0	30.0	8.0	28.0	9.6 *	30.0 *
26	8.0	30.0	8.0	28.0	9.2	29.0
27	8.2	30.0	8.2	29.0	9.2	30.0
28	8.2	30.0	8.0	28.0	9.0	28.0
29	7.8	30.0	8.0	* 28.0	9.0	29.0
30	7.5	30.0			9.4	29.0
31	7.8	30.0			9.8	29.0
NS	7.9	29.9	8.1	29.2	9.0	29.9
VNS.	30	30	29	26	30	29
IMUM	9.0	31.0	8.8	30.0	10.0	30.0
IMUM	6.5	28.0	7.8	27.0	8.0	29.0
.DEV.	.55	.66	.21	1.01	.59	.72

CAPE BEALE 48° 47.2 N 125 12.9 W

DATE	APRIL TEMP	APRIL SAL	MAY TEMP	MAY SAL	JUNE TEMP	JUNE SAL	1984
1	9.8	29.0	10.0	29.0	10.9	30.0	
2	9.8	30.0	10.0	29.0	13.0	30.0	
3	9.0	29.0	10.0	29.0	9.9	30.0	
4	9.8	30.0	10.0	29.0	11.3	31.0	
5	9.8	29.0	10.0	30.0	11.3	30.0	
6	9.6	29.0	10.0	30.0	12.9	30.0	
7	9.0	29.0	10.0	30.0	11.0	30.0	
8	9.5	30.0	10.2	30.0	10.3	30.0	
9	9.0	28.0	11.0	30.0	10.0	30.0	
10	8.9	30.0	11.0	26.0	10.4	30.0	
11	8.9	30.0	11.0	27.0	10.8	30.0	
12	8.0	29.0	11.0	30.0	11.9	30.0	
13	9.0	28.0	11.0	30.0	10.6	30.0	
14	10.0	28.0	11.0	30.0	* 10.9	* 30.0	
15	10.2	29.0	* 10.7	* 30.0	11.2	30.0	
16	10.0	30.0	10.5	30.0	12.0	31.0	
17	10.0	29.0	10.5	30.0	12.0	30.0	
18	10.6	28.0	10.5	30.0	12.3	30.0	
19	10.6	29.0	10.5	30.0	11.0	30.0	
20	10.8	30.0	* 10.5	* 30.0	13.3	30.0	
21	10.0	27.0	10.5	30.0	10.8	30.0	
22	9.5	29.0	10.6	30.0	10.9	30.0	
23	9.5	28.0	11.0	30.0	11.3	30.0	
24	9.5	29.0	11.0	30.0	11.7	30.0	
25	9.5	29.0	10.2	30.0	12.2	32.0	
26	9.6	29.0	* 11.1	* 30.0	* 11.7	* 31.0	
27	9.7	30.0	* 11.9	* 29.0	11.2	31.0	
28	10.0	30.0	12.8	29.0	13.0	30.0	
29	10.0	30.0	11.7	30.0	13.0	30.0	
30	10.0	30.0	11.8	31.0	12.0	30.0	
31			12.0	30.0			
MEANS	9.7	29.1	10.7	29.6	11.5	30.2	
OBSVNS.	30	30	27	27	28	28	
MAXIMUM	10.8	30.0	12.8	31.0	13.3	32.0	
MINIMUM	8.0	27.0	10.0	26.0	9.9	30.0	
STD.DEV.	.59	.82	.71	1.01	.96	.48	

CAPE BEALE 48 47.2 N 125 12.9 W

DATE	JULY TEMP	JULY SAL	AUGUST TEMP	AUGUST SAL	SEPTEMBER 1984 TEMP	SEPTEMBER 1984 SAL
1	12.5	30.0	14.0	30.0	12.4	32.0
2	13.5	30.0	13.8	30.0	12.8	*
3	14.0	29.0	14.0	*	13.0	*
4	12.0	30.0	14.6	*	12.0	*
5	13.0	29.0	13.9	*	12.0	*
6	13.0	30.0	* 13.4	*	12.0	32.0
7	13.5	29.0	13.0	*	12.2	32.0
8	14.0	30.0	12.8	*	12.0	32.0
9	14.0	30.0	13.7	*	11.8	* 32.0
10	14.0	29.0	11.9	*	11.0	32.0
11	14.2	30.0	12.0	*	* 11.5	* 32.0
12	* 13.4	* 30.0	11.7	*	12.0	32.0
13	12.5	30.0	12.1	*	12.0	32.0
14	12.0	30.0	12.4	*	12.0	* 32.0
15	12.0	30.0	13.1	*	12.0	32.0
16	12.5	32.0	* 13.6	*	12.5	30.0
17	12.5	32.0	14.1	*	13.2	30.0
18	13.0	* 32.0	13.0	*	13.2	32.0
19	13.0	32.0	13.0	*	12.2	32.0
20	12.5	32.0	13.7	*	12.2	32.0
21	* 13.0	* 32.0	12.4	*	* 12.5	* 32.0
22	13.5	32.0	12.7	*	12.7	32.0
23	14.0	32.0	13.8	*	11.2	32.0
24	* 13.7	* 31.0	13.7	*	11.7	32.0
25	13.4	31.0	12.4	*	11.2	32.0
26	14.0	30.0	13.8	*	11.0	32.0
27	* 14.0	* 30.0	12.2	*	11.0	32.0
28	14.0	31.0	12.0	*	11.0	32.0
29	14.0	30.0	12.0	*	11.0	32.0
30	14.0	30.0	12.0	*	11.5	32.0
31	14.8	29.0	12.0	32.0		
MEANS	13.3	30.3	12.9	30.7	12.0	31.8
OBSVNS.	27	26	29	3	28	22
MAXIMUM	14.8	32.0	14.6	32.0	13.2	32.0
MINIMUM	12.0	28.0	11.7	30.0	11.0	30.0
STD.DEV.	.79	1.12	.85	1.15	.67	.59

CAPE BEALE 48° 47.2 N 125 12.9 W

	OCTOBER		NOVEMBER		DECEMBER 1984	
DATE	TEMP	SAL	TEMP	SAL	TEMP	SAL
1	11.2	32.0	9.0	31.0	9.0	32.0
2	11.0	32.0	9.5	31.0	8.0	32.0
3	11.0	32.0	9.0	31.0	8.2	31.0
4	11.0	31.0	9.8	31.0	8.3	32.0
5	10.5	32.0	9.8	31.0	8.2	32.0
6	10.2	32.0	10.0	31.0	8.4	32.0
7	11.0	30.0	10.0	31.0	6.8	27.0
8	12.0	30.0	10.2	31.0	8.5	30.0
9	11.9	29.0	10.0	31.0	9.3	32.0
10	12.2	31.0	10.0	31.0	8.7	32.0
11	12.5	29.0	10.0	28.0	8.0	32.0
12	13.0	30.0	10.0	31.0	8.5	32.0
13	12.5	31.0	10.0	31.0	9.0	32.0
14	12.2	30.0	9.5	31.0	8.0	28.0
15	12.0	28.0	9.2	32.0	8.0	32.0
16	12.0	29.0	9.5	32.0	8.0	32.0
17	11.0	30.0	10.0	32.0	7.5	32.0
18	11.0	30.0	10.5	32.0	7.0	32.0
19	11.2	31.0	10.2	32.0	7.0	30.0
20	11.5	31.0	9.8	31.0	6.0	30.0
21	11.5	31.0	10.0	32.0	7.5	31.0
22	11.2	31.0	9.5	32.0	7.9	32.0
23	11.0	31.0	10.2	32.0	8.0	32.0
24	11.5	32.0	9.8	32.0	8.0	32.0
25	11.2	32.0	10.0	32.0	8.0	32.0
26	11.0	32.0	9.8	32.0	8.0	32.0
27	11.0	32.0	9.8	31.0	7.5	32.0
28	9.8	31.0	9.2	30.0	7.0	32.0
29	9.0	31.0	9.0	31.0	6.0	32.0
30	9.0	32.0	* 9.0	* 31.0	5.5	32.0
31	8.2	32.0			5.8	32.0
MEANS	11.1	30.8	9.8	31.2	7.8	31.5
OBSVNS.	31	31	29	29	31	31
YRLY.MEANS					10.3	30.2
MAXIMUM	13.0	32.0	10.5	32.0	9.3	32.0
MINIMUM	8.2	28.0	9.0	28.0	5.5	27.0
STD.DEV.	1.06	1.19	.39	.83	.95	1.23

SHERINGHAM POINT 48 22.7 N 123 55.2 W

	JANUARY		FEBRUARY		MARCH	1984
DATE	TEMP	SAL	TEMP	SAL	TEMP	SAL
1	7.6	30.3	7.6	30.4	7.8	30.6
2	7.8	30.6	7.4	30.0	8.0	30.4
3	7.6	30.0	7.8	30.6	7.8	30.3
4	7.6	30.3	7.8	30.4	8.0	30.6
5	7.4	30.0	8.0	30.4	7.8	30.0
6	7.6	30.4	8.0	30.4	8.0	30.4
7	7.4	30.0	7.8	30.6	8.0	30.3
8	8.0	30.2	7.8	30.6	8.2	30.6
9	8.6	30.2	7.8	30.4	8.0	30.4
10	8.6	30.2	8.0	30.6	8.2	30.6
11	9.0	31.1	7.6	30.4	8.0	30.6
12	8.4	30.4	7.6	30.4	8.0	30.4
13	8.0	30.3	7.8	30.4	8.2	30.6
14	8.0	30.4	7.6	30.0	8.2	30.4
15	7.8	30.4	7.8	30.2	8.0	30.4
16	7.6	30.0	7.8	30.3	8.4	30.4
17	7.4	30.7	8.0	30.2	8.0	30.0
18	7.4	30.7	7.8	29.9	8.2	30.4
19	7.6	30.4	7.6	29.8	8.2	30.6
20	7.4	30.3	8.0	30.4	8.4	30.4
21	7.8	31.0	7.8	30.2	8.0	30.3
22	7.6	30.4	7.8	30.4	8.0	30.4
23	7.4	30.3	7.6	30.4	8.4	29.9
24	7.6	30.4	7.6	30.3	8.2	30.2
25	7.6	30.3	7.8	30.4	8.4	30.4
26	7.8	30.4	7.8	30.4	8.2	30.2
27	7.4	30.0	7.6	30.6	8.4	30.4
28	7.6	30.2	7.8	30.4	8.2	30.4
29	7.8	30.3	8.2	30.4	8.4	30.4
30	7.7	30.2			8.2	30.4
31	7.8	30.4			8.8	30.8
MEANS	7.8	30.3	7.8	30.3	8.1	30.4
OBSVNS.	31	31	29	29	31	31
MAXIMUM	9.0	31.1	8.2	30.6	8.8	30.8
MINIMUM	7.4	30.0	7.4	29.8	7.8	29.9
STD.DEV.	.40	.26	.17	.20	.22	.19

SHERINGHAM POINT 48 22.7 N 123 55.2 W

DATE	APRIL TEMP	APRIL SAL	MAY TEMP	MAY SAL	JUNE TEMP	JUNE SAL	1984
1	8.6	30.4	9.4	30.4	10.6	31.0	
2	8.4	30.2	9.2	30.3	10.4	30.8	
3	8.2	30.2	9.6	30.8	10.6	31.0	
4	8.6	30.2	9.8	31.2	10.8	31.1	
5	8.4	30.4	9.6	30.6	11.0	31.2	
6	8.4	30.4	9.8	31.0	10.8	30.8	
7	8.2	30.4	9.6	30.7	11.0	31.2	
8	8.2	30.4	9.8	30.8	10.8	30.8	
9	8.2	30.2	9.8	30.8	10.2	30.8	
10	8.4	30.4	10.0	31.2	10.8	30.7	
11	8.4	30.3	9.8	31.1	10.2	30.8	
12	8.2	30.2	9.8	30.8	10.8	30.8	
13	8.8	30.3	9.6	30.6	10.8	31.0	
14	10.0	30.2	9.8	31.0	10.8	31.0	
15	9.8	30.7	9.9	30.8	10.6	30.8	
16	9.6	30.3	9.8	30.6	10.7	31.1	
17	9.6	30.6	9.8	31.0	10.8	31.2	
18	9.4	30.3	10.0	31.5	10.6	30.8	
19	9.4	30.3	10.2	31.0	10.4	31.4	
20	9.6	30.8	10.2	30.7	10.5	31.2	
21	9.4	30.6	10.2	31.0	10.4	31.2	
22	9.0	30.6	10.0	31.0	10.4	31.1	
23	9.2	30.3	10.2	30.7	10.6	31.0	
24	9.4	30.6	10.2	30.7	10.6	31.2	
25	9.2	30.6	10.0	30.7	10.4	31.0	
26	9.6	30.3	10.2	31.0	10.7	31.5	
27	9.6	30.3	10.4	30.7	10.6	31.1	
28	9.8	30.6	10.4	31.0	10.8	31.4	
29	9.8	30.4	10.6	30.8	10.6	31.5	
30	9.6	30.8	10.6	31.2	10.7	31.5	
31			10.4	31.0			
MEANS	9.0	30.4	10.0	30.9	10.6	31.1	
OBSVNS.	30	30	31	31	30	30	
MAXIMUM	10.0	30.8	10.6	31.5	11.0	31.5	
MINIMUM	8.2	30.2	9.2	30.3	10.2	30.7	
STD.DEV.	.62	.18	.34	.25	.20	.24	

SHERINGHAM POINT 48 22.7 N 123 55.2 W

	JULY		AUGUST		SEPTEMBER 1984	
DATE	TEMP	SAL	TEMP	SAL	TEMP	SAL
1	10.8	31.5	10.6	31.0	11.4	31.0
2	10.7	31.1	10.8	31.1	11.5	31.2
3	11.2	32.3	10.7	31.0	11.6	31.1
4	11.0	31.5	10.8	31.1	11.4	31.0
5	11.0	31.5	10.7	30.8	11.4	31.0
6	11.2	31.5	10.8	31.1	11.6	31.0
7	11.0	31.1	10.7	31.0	11.2	31.5
8	11.0	31.0	11.0	31.0	11.4	31.5
9	10.8	30.8	11.0	31.0	11.6	31.2
10	11.0	31.0	10.8	31.0	11.6	31.2
11	10.7	31.1	11.0	31.2	11.6	31.0
12	11.0	30.8	11.0	31.4	11.7	31.1
13	10.8	31.8	10.9	31.1	11.5	31.2
14	10.6	31.4	11.3	31.5	11.4	31.0
15	10.4	31.1	11.3	31.2	11.7	31.8
16	10.8	31.0	11.1	31.2	11.6	31.5
17	11.0	31.2	11.2	31.0	11.6	31.2
18	11.0	31.2	11.0	31.2	11.5	31.1
19	10.8	30.8	11.2	31.5	11.5	31.2
20	10.6	30.8	11.1	31.1	11.6	31.4
21	11.0	31.2	11.4	31.2	11.8	31.4
22	10.8	31.4	11.3	31.0	11.9	31.5
23	10.8	31.2	11.4	31.0	11.9	31.5
24	10.8	30.4	11.6	31.2	11.8	31.4
25	11.0	31.0	11.4	31.2	11.9	31.5
26	11.2	31.0	11.6	31.0	11.9	31.2
27	10.8	31.1	11.4	31.0	11.8	31.2
28	10.8	31.1	11.5	31.2	11.8	31.4
29	10.8	31.2	11.4	31.0	11.9	31.5
30	10.6	30.8	11.6	31.0	11.8	31.4
31	10.6	30.8	11.4	31.0		
MEANS	10.9	31.2	11.1	31.1	11.6	31.3
OBSVNS.	31	31	31	31	30	30
MAXIMUM	11.2	32.3	11.6	31.5	11.9	31.8
MINIMUM	10.4	30.4	10.6	30.8	11.2	31.0
STD.DEV.	.19	.36	.30	.15	.19	.21

SHERINGHAM POINT 48 22.7 N 123 55.2 W

	OCTOBER		NOVEMBER		DECEMBER 1984	
DATE	TEMP	SAL	TEMP	SAL	TEMP	SAL
1	11.7	31.2	10.8	31.1	9.4	30.7
2	11.5	31.0	10.6	30.8	9.2	30.6
3	11.5	31.1	10.6	30.8	9.4	30.8
4	11.4	31.0	10.8	30.8	9.2	30.8
5	11.4	31.2	11.0	30.8	9.4	30.7
6	11.3	31.1	10.2	31.0	9.0	30.6
7	11.4	31.0	10.8	31.2	9.4	30.8
8	11.4	31.0	10.6	30.8	9.0	30.7
9	11.2	31.0	10.6	30.8	9.2	30.6
10	11.0	31.2	10.0	30.4	9.0	30.8
11	10.8	31.6	10.2	30.7	9.2	30.6
12	11.2	31.2	10.0	30.4	9.2	30.6
13	11.0	31.2	10.4	30.7	9.2	30.6
14	11.2	31.0	9.8	31.0	9.0	30.3
15	11.0	31.1	10.0	31.0	9.2	30.6
16	11.2	30.8	10.0	30.7	9.2	30.3
17	11.2	31.0	10.2	31.0	9.2	30.3
18	11.2	31.0	10.2	30.7	8.8	30.4
19	11.2	31.0	9.8	31.0	9.0	30.6
20	11.4	30.7	9.6	30.6	8.0	30.3
21	11.2	31.0	9.6	30.4	8.0	30.4
22	11.5	30.7	9.6	30.8	8.0	30.4
23	11.3	31.0	9.4	30.7	8.2	30.4
24	11.2	31.0	9.4	30.6	8.4	30.3
25	11.0	30.7	9.6	30.8	8.2	30.4
26	11.2	31.0	9.4	30.7	8.4	30.4
27	10.6	30.8	9.6	30.7	8.0	30.6
28	10.4	30.4	9.4	30.8	8.2	30.4
29	10.2	31.2	9.4	30.8	8.0	30.4
30	10.6	31.2	9.6	30.6	8.0	30.4
31	10.0	31.0			8.0	30.2
MEANS	11.1	31.0	10.0	30.8	8.8	30.5
OBSVNS.	31	31	30	30	31	31
YRLY.MEANS					9.7	30.8
MAXIMUM	11.7	31.6	11.0	31.2	9.4	30.8
MINIMUM	10.0	30.4	9.4	30.4	8.0	30.2
STD.DEV.	.39	.21	.51	.19	.55	.18

RACE ROCKS 48 17.9 N 123 32.0 W

	JANUARY		FEBRUARY		MARCH		1984
DATE	TEMP	SAL	TEMP	SAL	TEMP	SAL	
1	7.6	30.8	7.7	30.6	8.5	30.8	
2	7.8	30.6	7.7	30.6	8.3	30.6	
3	8.1	30.2	7.4	30.6	8.4	30.7	
4	8.5	30.3	7.9	30.3	8.8	30.4	
5	8.4	30.6	8.3	30.3	8.6	30.7	
6	8.5	30.6	7.6	30.6	8.5	30.4	
7	7.5	30.7	8.0	30.4	8.6	30.4	
8	8.2	30.6	8.3	30.3	8.4	30.4	
9	7.9	31.0	8.3	30.6	8.3	30.4	
10	8.0	30.6	7.7	30.3	8.2	30.3	
11	7.9	30.6	8.2	30.2	7.9	30.3	
12	7.8	30.4	8.5	30.4	7.8	30.0	
13	7.3	30.2	7.8	30.6	8.0	30.6	
14	7.0	30.2	7.6	30.6	8.2	30.2	
15	6.8	30.0	7.9	30.7	8.2	30.3	
16	7.4	30.4	7.8	30.7	8.2	30.3	
17	6.2	30.2	7.8	30.7	7.7	31.2	
18	5.9	30.0	8.0	31.0	8.8	30.4	
19	6.7	30.3	7.9	31.0	8.6	31.0	
20	6.4	30.2	7.8	30.8	8.7	30.7	
21	6.6	30.6	7.8	31.1	8.8	30.8	
22	7.5	30.6	7.6	31.0	8.6	30.3	
23	7.6	30.3	7.5	30.8	7.9	30.6	
24	8.0	30.3	7.4	30.4	7.6	30.3	
25	7.9	30.8	7.3	30.4	7.8	30.3	
26	7.8	30.8	7.4	30.3	8.7	30.4	
27	7.6	30.6	7.6	30.2	8.7	30.4	
28	8.1	30.4	8.6	30.3	* 8.9	* 30.4	
29	7.3	30.3	8.4	30.0	9.2	30.4	
30	7.8	30.6			9.2	30.3	
31	7.4	30.6			9.1	29.9	
MEANS	7.5	30.5	7.9	30.5	8.4	30.5	
OBSVNS.	31	31	29	29	30	30	
MAXIMUM	8.5	31.0	8.6	31.1	9.2	31.2	
MINIMUM	5.9	30.0	7.3	30.0	7.6	29.9	
STD.DEV.	.66	.25	.35	.28	.43	.27	

RACE ROCKS 48 17.9 N 123 32.0 W

DATE	APRIL TEMP	APRIL SAL	MAY TEMP	MAY SAL	JUNE TEMP	JUNE SAL	1984
1	9.3	30.4	9.2	31.1	9.5	31.8	
2	9.8	29.9	9.4	31.0	9.5	31.5	
3	9.5	30.4	8.7	31.0	9.6	31.8	
4	9.4	30.4	9.3	31.1	10.0	31.2	
5	8.6	30.6	9.4	31.4	9.5	31.2	
6	8.8	30.4	9.9	31.8	9.8	31.0	
7	8.7	30.4	9.4	31.1	9.5	31.2	
8	9.3	30.4	9.2	31.2	9.5	31.5	
9	8.3	30.6	8.7	31.2	9.8	31.2	
10	9.3	30.4	9.3	31.5	9.8	31.2	
11	8.7	31.0	10.7	31.4	9.5	31.5	
12	8.7	31.0	10.0	31.4	10.0	31.8	
13	8.6	30.8	9.9	31.6	10.0	31.8	
14	9.5	31.4	10.0	31.4	9.7	31.8	
15	9.8	31.5	10.2	31.8	9.5	31.8	
16	8.9	31.2	10.4	31.8	9.5	31.8	
17	9.5	31.1	10.2	31.8	9.5	31.5	
18	9.4	31.8	9.6	32.0	9.7	31.5	
19	8.4	31.5	9.8	31.5	9.9	30.7	
20	8.8	31.5	8.9	31.5	10.8	31.0	
21	8.5	31.2	8.6	31.1	10.7	31.1	
22	8.0	30.7	8.9	31.0	11.2	31.1	
23	8.8	31.0	9.5	31.1	12.6	31.0	
24	8.6	31.0	9.7	31.1	12.4	31.0	
25	9.2	31.1	9.7	31.5	* 12.2	* 31.0	
26	8.3	31.4	11.2	31.0	12.0	31.0	
27	9.8	31.5	10.8	31.5	11.8	30.8	
28	9.7	30.6	11.0	30.6	10.9	31.0	
29	9.3	30.4	10.5	31.4	11.0	32.0	
30	10.7	30.6	9.4	31.5	10.9	31.4	
31			10.5	31.4			
MEANS	9.1	30.9	9.7	31.3	10.3	31.4	
OBSVNS.	30	30	31	31	29	29	
MAXIMUM	10.7	31.8	11.2	32.0	12.6	32.0	
MINIMUM	8.0	29.9	8.6	30.6	9.5	30.7	
STD.DEV.	.59	.47	.69	.31	.95	.36	

RACE ROCKS 48 17.9 N 123 32.0 W

DATE	JULY TEMP	JULY SAL	AUGUST TEMP	AUGUST SAL	SEPTEMBER 1984 TEMP	SEPTEMBER 1984 SAL
1	10.1	32.0	9.7	31.4	10.2	31.6
2	10.0	31.9	9.8	31.6	10.2	31.4
3	10.2	31.8	10.8	31.5	10.5	31.4
4	9.8	31.8	11.6	31.4	10.5	31.4
5	10.6	31.8	11.0	31.4	10.2	31.4
6	10.8	31.9	13.0	31.4	10.5	31.6
7	10.6	31.6	12.3	31.4	10.5	31.4
8	11.8	31.2	12.9	31.8	10.6	31.6
9	11.7	31.8	11.0	31.6	10.1	31.8
10	11.1	30.8	11.9	32.0	10.5	31.5
11	10.6	31.2	10.6	31.8	10.7	31.6
12	10.6	31.4	10.6	31.8	10.6	31.5
13	11.8	31.6	11.2	31.6	9.8	31.2
14	11.5	31.5	11.7	31.8	11.3	31.2
15	11.2	31.5	10.9	31.5	11.0	31.4
16	11.2	31.5	12.1	31.5	11.1	31.1
17	10.8	31.6	12.3	31.4	10.5	31.1
18	10.7	31.4	12.1	31.4	11.6	31.0
19	10.3	31.0	11.9	31.1	11.3	31.0
20	11.5	30.3	11.9	30.8	* 11.6	* 31.0
21	13.0	29.9	12.1	31.2	11.9	31.0
22	14.3	30.0	12.0	30.8	10.3	30.6
23	13.0	29.8	12.7	30.6	11.7	31.1
24	14.8	29.7	12.6	30.4	11.1	31.4
25	13.2	29.8	11.9	31.4	10.6	31.8
26	12.3	29.7	11.7	31.5	10.7	31.4
27	12.0	30.3	12.4	31.8	10.5	31.8
28	12.5	31.4	10.4	31.5	10.5	31.1
29	10.6	31.2	11.1	31.9	9.7	31.5
30	10.7	31.4	11.8	32.1	9.6	31.6
31	10.8	31.5	11.6	31.8		
MEANS	11.4	31.1	11.6	31.5	10.6	31.4
OBSVNS.	31	31	31	31	29	29
MAXIMUM	14.8	32.0	13.0	32.1	11.9	31.8
MINIMUM	9.8	29.7	9.7	30.4	9.6	30.6
STD.DEV.	1.23	.76	.84	.39	.56	.28

RACE ROCKS 48 17.9 N 123 32.0 W

DATE	OCTOBER TEMP	OCTOBER SAL	NOVEMBER TEMP	NOVEMBER SAL	DECEMBER 1984 TEMP	DECEMBER 1984 SAL
1	9.9	31.8	7.9	31.1	7.9	30.6
2	10.4	31.2	9.1	31.0	7.9	30.7
3	10.9	31.2	8.9	31.0	7.1	30.6
4	10.3	31.4	9.0	31.0	7.0	30.4
5	10.6	31.2	9.0	31.1	7.0	30.3
6	10.6	31.1	9.0	30.8	7.1	30.6
7	11.0	31.2	9.2	31.0	7.9	30.6
8	10.7	31.2	8.6	30.4	8.0	30.8
9	10.8	31.6	8.8	31.2	7.6	31.1
10	10.0	31.5	8.8	31.2	7.7	31.0
11	10.6	31.2	8.5	31.2	7.1	31.2
12	9.8	31.5	8.8	31.4	7.2	31.1
13	9.5	31.5	8.8	31.5	7.0	31.0
14	9.8	31.5	8.5	31.6	7.3	31.0
15	9.8	31.5	8.2	31.2	7.3	31.4
16	9.8	31.5	8.4	31.2	6.3	31.1
17	9.7	31.5	8.5	31.2	6.0	31.1
18	9.8	31.5	9.0	31.0	6.3	31.0
19	9.9	31.2	9.0	31.1	5.5	31.0
20	9.8	30.8	9.0	31.2	6.8	31.1
21	9.7	31.2	8.5	30.7	7.6	31.4
22	9.8	30.8	8.2	30.7	7.8	31.6
23	9.5	31.1	8.2	31.0	8.0	31.5
24	9.9	31.0	8.0	30.8	7.7	31.4
25	9.6	31.2	8.5	31.2	7.3	31.4
26	9.3	31.1	7.5	30.8	7.1	31.5
27	8.5	31.0	7.5	30.6	6.9	31.5
28	8.6	31.2	8.5	30.7	6.2	31.8
29	8.5	31.1	8.8	31.0	5.9	31.4
30	8.6	31.1	8.0	30.6	5.2	31.1
31	7.3	31.4			4.9	31.1
MEANS	9.8	31.3	8.6	31.0	7.0	31.1
OBSVNS.	31	31	30	30	31	31
YRLY.MEANS					9.3	31.0
MAXIMUM	11.0	31.8	9.2	31.6	8.0	31.8
MINIMUM	7.3	30.8	7.5	30.4	4.9	30.3
STD.DEV.	.82	.23	.46	.27	.83	.37

CAPE MUDGE 49 59.9 N 125 11.6 W

DATE	JANUARY TEMP	JANUARY SAL	FEBRUARY TEMP	FEBRUARY SAL	MARCH TEMP	MARCH SAL
1	8.0	28.8	8.0	28.9	8.9	29.1
2	8.2	28.8	8.2	29.3	8.8	29.1
3	8.2	28.9	8.2	29.1	9.2	29.3
4	8.4	29.0	8.5	29.3	9.2	29.8
5	8.5	28.8	* 7.6	* 29.2	9.4	29.5
6	8.3	28.9	6.7	29.0	9.4	29.3
7	8.4	29.1	6.9	28.9	7.0	28.8
8	* 8.3	* 29.0	6.9	28.9	7.0	28.8
9	* 8.2	* 28.9	*	*	7.2	28.9
10	8.2	28.8	*	*	8.6	29.3
11	8.2	28.8	*	*	* 8.7	* 29.3
12	8.4	28.9	8.6	29.3	* 8.9	* 29.4
13	8.6	29.1	8.6	29.3	9.0	29.5
14	8.7	29.0	8.0	28.9	9.2	29.8
15	7.8	28.6	9.8	29.3	9.0	29.7
16	7.8	28.6	8.9	29.1	9.0	29.7
17	7.6	28.9	8.7	29.1	9.3	29.5
18	7.6	28.9	8.0	28.9	9.3	29.5
19	7.8	29.1	* 7.6	* 28.9	9.5	29.8
20	7.8	28.8	* 7.2	* 28.9	*	*
21	7.8	28.6	6.8	28.9	*	*
22	* 7.8	* 28.7	7.0	28.9	*	*
23	* 7.8	* 28.8	7.0	28.9	8.0	29.1
24	7.8	28.9	8.0	29.4	8.2	28.9
25	7.9	28.8	8.0	29.3	8.4	29.0
26	8.0	28.9	8.2	29.3	8.6	29.3
27	* 7.8	* 28.9	8.7	29.1	9.3	29.4
28	7.6	28.9	* 8.7	* 29.1	10.2	29.1
29	7.8	29.1	* 8.8	* 29.1	10.6	29.0
30	7.8	29.0			10.5	29.3
31	7.7	28.9			10.5	29.3
MEANS	8.0	28.9	8.0	29.1	9.0	29.3
OBSVNS.	26	26	21	21	26	26
MAXIMUM	8.7	29.1	9.8	29.4	10.6	29.8
MINIMUM	7.6	28.6	6.7	28.9	7.0	28.8
STD.DEV.	.33	.14	.83	.19	.96	.31

CAPE MUDGE 49 59.9 N 125 11.6 W

DATE	APRIL TEMP	APRIL SAL	MAY TEMP	MAY SAL	JUNE TEMP	JUNE SAL	1984
1	* 10.5	* 29.4	9.8	29.4	* 13.9	* 28.8	
2	* 10.4	* 29.6	9.8	29.7	* 14.7	* 29.0	
3	10.4	29.7	10.4	29.7	15.4	29.3	
4	10.2	29.4	10.0	28.6	17.2	29.3	
5	9.8	29.1	10.0	28.9	14.4	28.9	
6	10.0	29.1	10.2	29.3	14.0	29.4	
7	8.0	28.6	10.0	29.1	14.8	28.6	
8	* 8.2	* 28.7	10.2	28.4	16.2	30.0	
9	* 8.5	* 28.9	10.2	29.1	13.6	29.9	
10	8.8	29.0	9.8	28.9	14.4	29.8	
11	9.0	27.8	10.2	29.1	12.8	29.3	
12	9.2	28.9	11.0	28.8	14.4	29.5	
13	9.5	28.9	10.6	28.8	14.2	28.9	
14	9.8	29.1	9.6	28.1	* 14.1	* 29.4	
15	9.8	29.1	10.2	28.6	* 13.9	* 29.9	
16	10.0	28.8	10.4	28.4	13.8	30.4	
17	10.4	28.6	10.8	28.5	13.5	30.7	
18	10.5	29.0	12.0	29.3	15.8	30.2	
19	10.5	29.1	10.5	28.9	15.8	30.2	
20	9.8	29.0	13.0	29.0	16.8	30.4	
21	9.0	28.9	*	*	14.8	30.2	
22	9.8	29.0	*	*	14.5	30.4	
23	9.8	29.1	*	*	14.4	30.2	
24	10.3	28.6	*	*	15.2	28.6	
25	11.5	29.5	*	*	16.2	28.5	
26	11.8	29.5	*	*	*	*	
27	* 11.8	* 29.5	*	*	*	*	
28	* 11.8	* 29.5	12.8	28.2	*	*	
29	11.8	29.5	13.2	28.5	*	*	
30	11.7	29.4	13.0	29.5	15.6	28.9	
31			13.2	28.5			
MEANS	10.1	29.0	10.9	28.9	14.9	29.6	
OBSVNS.	24	24	24	24	22	22	
MAXIMUM	11.8	29.7	13.2	29.7	17.2	30.7	
MINIMUM	8.0	27.8	9.6	28.1	12.8	28.5	
STD.DEV.	.96	.40	1.24	.45	1.12	.69	

CAPE MUDGE 49 59.9 N 125 11.6 W

	JULY		AUGUST		SEPTEMBER 1984	
DATE	TEMP	SAL	TEMP	SAL	TEMP	SAL
1	15.0	28.6	*	*	15.2	28.1
2	14.4	28.9	*	*	16.0	28.1
3	16.5	28.6	*	*	14.8	28.2
4	16.2	28.1	*	*	14.2	28.4
5	14.6	28.6	14.4	27.2	13.6	28.1
6	15.2	28.6	16.2	28.5	12.4	28.2
7	14.8	28.0	13.8	27.7	14.2	28.5
8	16.2	27.8	14.4	28.1	14.0	28.2
9	14.8	27.8	14.0	27.4	13.6	27.8
10	17.5	28.1	15.2	28.1	13.8	28.2
11	15.6	28.6	14.8	27.7	12.6	28.5
12	14.4	28.6	14.8	28.0	13.4	27.8
13	15.2	28.8	15.0	28.1	12.8	27.7
14	17.0	28.8	* 15.3	* 27.7	13.0	28.0
15	14.2	28.5	15.7	27.3	13.8	28.5
16	15.6	28.0	17.2	28.2	*	*
17	16.5	28.4	16.4	27.8	*	*
18	14.4	28.6	18.2	27.7	*	*
19	14.2	28.4	15.8	27.4	13.8	28.8
20	13.0	28.5	17.2	28.5	*	*
21	13.0	28.8	15.8	28.0	*	*
22	13.4	29.1	15.0	28.1	*	*
23	14.5	28.6	* 14.7	* 28.3	11.2	28.6
24	15.2	28.6	14.4	28.5	14.4	29.0
25	14.8	29.1	14.2	27.4	13.2	29.5
26	14.5	28.2	14.0	27.7	11.0	29.0
27	16.0	28.2	13.2	27.7	11.8	29.7
28	15.8	28.5	14.8	27.7	11.2	29.3
29	15.8	28.8	15.2	27.7	12.2	29.1
30	16.2	28.1	12.4	28.2	12.4	29.1
31	16.8	28.0	14.8	28.2		
MEANS	15.2	28.5	15.1	27.9	13.3	28.5
OBSVNS.	31	31	25	25	24	24
MAXIMUM	17.5	29.1	18.2	28.5	16.0	29.7
MINIMUM	13.0	27.8	12.4	27.2	11.0	27.7
STD.DEV.	1.12	.35	1.30	.38	1.28	.56

CAPE MUDGE 49 59.9 N 125 11.6 W

DATE	OCTOBER TEMP	OCTOBER SAL	NOVEMBER TEMP	NOVEMBER SAL	DECEMBER 1984 TEMP	DECEMBER 1984 SAL
1	12.4	28.4	*	*	8.4	28.2
2	13.0	28.2	*	*	8.2	28.2
3	12.6	28.5	9.0	28.8	7.6	28.0
4	12.2	27.8	9.0	28.6	8.4	27.1
5	13.4	28.8	9.6	28.8	8.4	27.3
6	13.2	28.2	* 9.7	* 28.8	7.2	27.4
7	*	*	9.8	28.9	7.8	27.3
8	*	*	9.8	29.0	7.5	27.6
9	*	*	9.9	29.1	8.0	27.1
10	12.3	28.0	10.0	28.8	8.0	27.1
11	12.5	28.4	10.0	28.8	8.0	27.3
12	* 11.5	* 28.4	10.2	28.5	7.2	26.9
13	* 10.5	* 28.3	7.5	28.6	7.4	26.1
14	9.5	28.2	7.8	28.6	7.2	27.3
15	9.6	28.1	8.0	28.9	8.0	26.9
16	9.5	28.1	8.0	28.6	6.6	26.5
17	9.4	28.4	* 8.1	* 28.7	7.0	26.4
18	10.0	28.6	8.2	28.8	7.5	26.5
19	10.8	27.8	7.4	28.4	7.5	26.0
20	10.6	28.0	8.6	29.0	8.0	26.5
21	10.6	28.0	9.0	28.8	8.0	26.8
22	11.0	29.1	8.4	28.5	8.2	28.6
23	* 10.9	* 29.1	8.6	28.5	*	*
24	* 10.7	* 29.0	*	*	*	*
25	10.6	29.0	*	*	*	*
26	10.5	28.8	*	*	*	*
27	*	*	*	*	*	*
28	*	*	9.0	28.8	5.4	28.6
29	*	*	8.9	28.8	6.0	28.9
30	8.5	27.4	* 8.6	* 28.5	6.5	29.4
31	*	*			5.8	29.4
MEANS	11.1	28.3	8.9	28.7	7.5	27.4
OBSVNS.	20	20	21	21	26	26
YRLY.MEANS					11.1	28.7
MAXIMUM	13.4	29.1	10.2	29.1	8.4	29.4
MINIMUM	8.5	27.4	7.4	28.4	5.4	26.0
STD.DEV.	1.47	.43	.87	.19	.82	.96

CHROME ISLAND 49 28.3 N 124 40.9 W

DATE	JANUARY TEMP	JANUARY SAL	FEBRUARY TEMP	FEBRUARY SAL	MARCH TEMP	MARCH SAL
1	8.2	28.2	7.3	28.0	8.2	28.5
2	8.7	28.2	7.8	28.0	8.5	28.5
3	8.5	28.2	8.0	28.1	8.9	28.0
4	9.0	28.2	7.4	27.8	8.5	28.0
5	8.7	28.0	7.4	27.8	8.8	27.7
6	8.3	28.5	7.9	28.1	8.3	28.2
7	8.0	28.1	7.8	28.4	8.3	28.5
8	8.1	27.8	8.[illegible]	28.2	8.5	28.2
9	8.5	28.2	8.3	28.2	8.7	28.2
10	9.0	28.9	8.5	28.9	8.9	28.2
11	8.0	27.8	8.7	29.0	8.7	28.5
12	8.0	28.0	8.8	29.1	8.5	28.2
13	7.2	26.5	8.7	28.2	8.5	28.5
14	6.8	23.4	8.3	28.0	9.0	28.2
15	6.3	25.6	8.7	29.3	9.0	28.0
16	7.1	28.1	9.0	27.2	8.8	28.2
17	7.4	27.7	8.7	28.0	9.2	28.4
18	7.8	27.8	8.6	28.0	8.9	28.2
19	7.5	28.1	8.2	28.5	8.8	28.5
20 *	7.4 *	28.0	8.4	28.5	8.8	28.2
21	7.2	27.8	8.3	28.5	8.7	28.2
22	8.0	28.2	8.0	27.6	8.5	28.2
23	8.4	28.2	7.7	28.1	8.7	28.2
24	7.8	27.8	8.0	28.2	8.5	28.5
25	8.0	28.1	8.2	28.4	9.0	28.5
26	8.5	28.5	8.0	27.8	9.2	28.4
27	8.8	28.4	7.9	27.8	9.4	27.8
28	9.0	29.0	8.5	28.2	9.2	27.8
29	8.0	25.9	8.6	28.5	9.8	27.7
30	7.8	27.8			10.0	27.4
31	7.5	28.1			10.0	27.4
MEANS	8.0	27.8	8.2	28.2	8.9	28.2
OBSVNS.	30	30	29	29	31	31
MAXIMUM	9.0	29.0	9.0	29.3	10.0	28.5
MINIMUM	6.3	23.4	7.3	27.2	8.2	27.4
STD.DEV.	.67	1.10	.45	.46	.46	.31

CHROME ISLAND 49 28.3 N 124 40.9 W

DATE	APRIL TEMP	APRIL SAL	MAY TEMP	MAY SAL	JUNE TEMP	JUNE SAL	1984
1	10.4	27.6	10.7	27.8	13.8	27.2	
2	10.0	27.2	11.0	27.3	15.0	26.9	
3	9.5	28.1	10.7	27.8	14.0	27.2	
4	8.7	27.8	10.2	28.2	12.8	27.2	
5	8.9	27.7	9.9	27.8	12.8	26.9	
6	8.8	28.0	10.8	27.8	12.6	27.4	
7	9.0	27.8	11.0	27.6	13.8	26.9	
8	8.8	28.2	10.7	27.6	13.8	27.7	
9	9.0	28.4	10.2	28.0	14.7	27.3	
10	9.2	28.9	10.6	28.2	15.2	27.4	
11	9.0	28.6	10.2	28.2	16.0	27.4	
12	9.2	28.9	10.5	28.0	16.0	27.7	
13	9.3	28.4	10.5	28.0	16.2	27.6	
14	9.8	28.4	11.0	28.1	16.6	27.6	
15	9.8	28.4	11.8	27.3	16.3	28.1	
16	9.8	28.6	11.0	27.3	17.0	27.7	
17	9.6	28.4	10.8	27.3	16.0	27.7	
18	9.2	28.4	11.5	27.2	16.2	27.7	
19	9.5	28.4	11.2	27.1	16.4	27.6	
20	9.4	28.4	10.2	27.4	16.4	27.6	
21	9.5	28.4	10.5	27.6	16.5	27.6	
22	9.5	28.1	10.6	28.5	16.8	27.3	
23	9.2	28.4	11.0	28.9	17.2	26.9	
24	9.7	27.8	11.2	28.8	18.0	28.0	
25	9.8	27.7	11.2	28.4	17.6	27.6	
26	10.5	27.6	12.6	27.7	16.0	28.2	
27	11.2	27.8	13.2	28.1	13.5	28.1	
28	12.2	28.1	13.8	27.2	14.5	28.1	
29	11.1	27.8	13.5	27.2	13.8	28.1	
30	10.5	27.8	13.3	27.3	12.6	27.4	
31			13.6	27.2			
MEANS	9.7	28.1	11.3	27.8	15.3	27.5	
OBSVNS.	30	30	31	31	30	30	
MAXIMUM	12.2	28.9	13.8	28.9	18.0	28.2	
MINIMUM	8.7	27.2	9.9	27.1	12.6	26.9	
STD.DEV.	.80	.41	1.12	.49	1.60	.38	

CHROME ISLAND 49 28.3 N 124 40.9 W

	JULY		AUGUST		SEPTEMBER 1984	
DATE	TEMP	SAL	TEMP	SAL	TEMP	SAL
1	14.2	28.1	17.8	27.6	14.5	27.8
2	15.8	26.4	18.0	27.8	15.0	27.2
3	15.6	23.7	18.0	25.6	15.2	27.3
4	15.2	26.0	17.5	27.3	15.0	27.4
5	14.7	26.7	18.3	26.0	13.8	27.3
6	16.2	25.6	17.4	26.8	14.0	28.9
7	16.7	25.0	16.5	26.8	13.3	27.8
8	17.8	24.2	17.5	27.1	14.7	27.8
9	17.8	24.0	19.2	24.2	14.4	28.1
10	16.4	26.1	19.7	23.8	13.0	27.7
11	17.5	26.5	19.4	24.7	12.9	27.8
12	16.7	26.5	17.6	26.0	14.0	28.0
13	17.8	26.7	18.3	26.5	13.0	27.7
14	18.3	26.0	17.0	26.4	12.8	28.0
15	18.8	25.2	16.5	26.5	13.2	28.0
16	18.8	25.1	16.5	26.8	13.4	27.8
17	18.4	25.5	15.0	27.4	13.0	28.2
18	18.2	24.8	14.5	27.6	14.0	27.8
19	18.2	25.2	15.5	27.6	14.2	28.0
20	18.4	25.1	17.5	25.8	14.3	27.8
21	18.4	25.0	18.0	26.7	14.8	27.1
22	18.2	25.4	18.5	26.5	14.6	27.1
23	18.6	25.2	18.7	26.1	14.2	27.6
24	19.8	25.9	18.3	26.8	14.2	27.3
25	17.8	26.1	18.7	26.3	14.0	26.9
26	13.6	27.4	16.0	27.3	14.0	27.2
27	16.2	27.7	15.6	27.3	14.0	27.4
28	17.8	28.0	15.2	27.2	13.0	27.4
29	17.4	27.3	16.7	27.1	12.7	27.7
30	18.2	27.8	14.8	27.7	13.0	27.4
31	18.4	27.4	15.0	28.0		
MEANS	17.3	26.0	17.2	26.6	13.9	27.6
OBSVNS.	31	31	31	31	30	30
MAXIMUM	19.8	28.1	19.7	28.0	15.2	28.9
MINIMUM	13.6	23.7	14.5	23.8	12.7	26.9
STD.DEV.	1.49	1.18	1.46	1.01	.74	.41

CHROME ISLAND 49 28.3 N 124 40.9 W

	OCTOBER		NOVEMBER		DECEMBER 1984	
DATE	TEMP	SAL	TEMP	SAL	TEMP	SAL
1	13.3	27.6	8.8	26.9	7.7	26.5
2	13.5	27.6	8.2	26.9	7.7	26.3
3	14.0	28.0	9.4	27.6	7.5	26.3
4	13.0	27.4	9.6	27.8	7.5	26.5
5	11.5	28.4	9.5	27.1	7.0	26.4
6	12.0	28.6	9.7	27.3	7.6	26.5
7	11.8	28.2	10.0	27.4	8.0	27.2
8	11.3	28.8	9.8	27.3	8.0	25.9
9	11.4	28.8	10.0	27.7	8.4	28.0
10	11.0	28.2	9.2	26.9	8.0	27.7
11	11.1	28.4	9.0	27.2	8.1	28.0
12	* 11.1	* 28.6	8.7	26.9	8.2	27.7
13	11.0	28.9	8.5	26.4	8.0	28.1
14	10.7	28.5	8.0	26.8	8.6	28.2
15	10.2	25.9	8.5	27.2	8.3	28.2
16	9.8	27.3	8.7	27.4	7.8	28.1
17	10.5	27.1	8.2	26.7	7.1	27.6
18	11.1	26.3	9.2	27.3	6.9	27.7
19	11.0	26.5	9.5	28.1	7.0	27.7
20	11.2	26.4	9.2	27.3	7.8	28.1
21	11.0	26.0	9.0	27.4	7.5	28.1
22	11.3	26.1	9.5	27.8	7.6	28.4
23	11.0	26.3	9.0	28.2	7.8	28.1
24	10.8	26.0	8.9	28.0	7.1	28.1
25	10.8	26.7	8.8	27.7	7.6	28.4
26	10.7	27.1	8.8	28.2	7.5	28.4
27	10.5	26.8	8.8	28.2	7.3	28.1
28	10.2	26.9	8.5	28.0	6.5	28.5
29	9.7	27.1	8.5	27.7	6.1	28.4
30	9.5	27.3	8.1	27.1	6.0	28.1
31	9.0	27.2			5.8	27.8
MEANS	11.1	27.3	9.0	27.4	7.5	27.6
OBSVNS.	30	30	30	30	31	31
YRLY.MEANS					11.5	27.5
MAXIMUM	14.0	28.9	10.0	28.2	8.6	28.5
MINIMUM	9.0	25.9	8.0	26.4	5.8	25.9
STD.DEV.	1.14	.95	.56	.49	.69	.77

SISTERS ISLAND 49 29.2 N 124 26.0 W

DATE	JANUARY TEMP	JANUARY SAL	FEBRUARY TEMP	FEBRUARY SAL	MARCH TEMP	MARCH SAL
						1984
1	7.5	27.8	6.8	27.4	8.0	28.6
2	7.4	27.8	6.8	27.6	8.0	28.6
3	8.2	28.1	7.0	27.6	7.9	28.4
4	7.4	27.7	7.2	27.8	7.9	28.5
5	7.2	27.7	6.8	27.8	7.9	28.5
6	7.4	27.8	7.2	28.2	8.0	28.5
7	7.5	27.8	7.2	28.1	8.0	28.4
8	7.6	27.7	7.5	28.5	8.0	28.5
9	8.2	28.2	7.7	28.5	8.4	28.4
10	8.0	28.2	8.4	28.8	8.4	28.2
11	8.0	28.4	8.2	28.5	8.6	28.2
12	7.5	28.1	8.6	28.8	8.5	28.5
13	7.5	28.0	8.3	28.4	8.4	28.2
14	7.5	29.0	7.8	27.8	9.1	28.5
15	7.5	28.8	7.9	27.8	8.7	28.0
16	7.0	27.8	8.3	28.5	8.3	28.4
17	7.2	28.4	7.8	27.7	8.1	28.4
18	7.3	28.4	7.9	28.2	8.2	28.1
19	7.0	28.4	8.2	29.3	8.3	28.4
20	7.2	28.4	8.5	29.0	8.4	28.5
21	7.1	28.4	8.2	28.8	8.2	28.2
22	7.3	28.4	7.8	28.4	8.3	28.4
23	7.2	28.4	7.7	28.5	8.3	28.2
24	7.2	28.4	7.7	28.2	8.4	28.5
25	7.8	28.8	8.0	28.1	8.4	28.4
26	7.5	28.5	7.9	28.5	8.8	28.5
27	7.6	28.8	7.9	28.4	9.2	28.4
28	7.4	27.1	8.3	28.8	9.9	28.2
29	7.0	27.1	8.3	28.5	9.8	28.1
30	7.3	27.4			9.7	28.1
31	7.0	27.4			9.9	28.2
MEANS	7.4	28.1	7.8	28.3	8.5	28.4
OBSVNS.	31	31	29	29	31	31
MAXIMUM	8.2	29.0	8.6	29.3	9.9	28.6
MINIMUM	7.0	27.1	6.8	27.4	7.9	28.0
STD.DEV.	.33	.49	.53	.47	.60	.17

SISTERS ISLAND 49 29.2 N 124 26.0 W

DATE	APRIL TEMP	APRIL SAL	MAY TEMP	MAY SAL	JUNE TEMP	JUNE SAL
						1984
1	9.7	28.1	10.1	28.4	13.7	28.1
2	9.1	28.4	10.6	28.4	13.7	28.1
3	9.3	28.5	9.8	28.6	12.6	28.0
4	9.0	28.2	10.0	28.5	12.4	27.7
5	9.0	28.5	10.2	28.5	13.2	27.4
6	9.0	28.4	10.8	28.6	13.2	25.5
7	9.0	28.4	11.0	28.5	13.5	26.5
8	9.0	28.5	10.8	28.4	13.0	27.4
9	8.8	28.4	10.5	28.2	12.4	27.1
10	9.3	28.4	10.7	28.2	13.8	27.1
11	9.1	28.5	11.0	28.4	14.7	26.8
12	9.0	28.4	11.4	28.2	15.0	27.1
13	9.0	28.6	11.0	28.0	15.8	27.4
14	9.6	28.1	11.2	28.1	16.0	27.6
15	9.3	28.1	11.3	28.0	15.0	27.1
16	9.7	27.1	11.4	27.8	16.2	23.9
17	9.6	27.2	11.4	27.8	17.0	23.0
18	9.2	27.3	11.7	27.7	15.3	26.3
19	9.2	28.0	11.2	27.7	15.1	26.9
20	9.1	28.0	10.2	27.8	15.6	27.2
21	9.4	28.5	10.3	28.2	15.5	27.2
22	9.4	28.4	11.2	27.8	16.4	25.6
23	9.4	28.5	11.3	27.8	16.3	26.5
24	9.5	28.6	11.2	28.1	16.2	27.2
25	9.5	28.5	11.2	27.3	17.3	25.6
26	10.4	28.5	11.2	27.1	17.0	25.8
27	10.9	28.5	11.9	27.7	14.8	26.7
28	10.8	28.2	13.1	27.2	14.8	24.6
29	10.2	28.2	13.9	27.3	15.0	23.5
30	10.1	28.5	13.0	28.0	15.1	22.0
31			13.3	27.7		
MEANS	9.5	28.2	11.2	28.0	14.9	26.4
OBSVNS.	30	30	31	31	30	30
MAXIMUM	10.9	28.6	13.9	28.6	17.3	28.1
MINIMUM	8.8	27.1	9.8	27.1	12.4	22.0
STD.DEV.	.54	.40	.97	.42	1.42	1.55

SISTERS ISLAND 49 29.2 N 124 26.0 W

	JULY		AUGUST		SEPTEMBER 1984	
DATE	TEMP	SAL	TEMP	SAL	TEMP	SAL
1	15.8	21.8	18.6	25.4	15.7	28.5
2	16.3	21.2	18.8	25.9	16.4	26.8
3	16.1	21.6	18.8	25.2	15.8	26.8
4	15.8	20.9	18.9	25.1	16.6	26.9
5	15.2	23.0	18.8	25.5	16.2	26.7
6	16.8	23.5	18.7	25.5	15.2	26.5
7	16.3	24.4	17.8	24.0	15.1	26.7
8	17.4	23.9	18.7	23.5	14.5	27.1
9	17.3	24.7	19.0	24.4	14.8	27.6
10	18.4	23.9	18.4	25.5	15.0	26.7
11	19.0	24.3	18.7	24.6	15.0	26.3
12	18.3	24.0	17.8	24.8	15.0	26.5
13	18.2	23.7	16.0	26.8	15.5	26.4
14	18.8	23.3	17.2	26.0	15.5	26.3
15	20.2	24.3	18.0	25.9	15.0	26.3
16	18.3	23.9	18.0	25.9	14.7	26.7
17	17.5	24.7	17.0	26.1	14.9	26.5
18	15.8	25.1	17.2	26.0	14.4	26.9
19	15.5	25.6	17.2	26.0	15.0	26.8
20	14.4	26.7	18.0	26.3	14.5	27.3
21	14.8	26.8	18.5	25.9	13.8	27.7
22	16.6	27.1	19.2	25.9	13.5	27.6
23	18.6	25.8	18.9	25.5	13.3	27.6
24	18.5	26.4	18.7	25.5	13.3	27.6
25	17.9	26.7	17.8	26.4	13.2	27.7
26	15.5	26.9	17.8	26.5	13.2	27.7
27	16.1	26.7	16.8	26.8	13.0	27.3
28	17.3	26.4	15.5	26.7	12.4	28.4
29	17.5	26.4	16.1	26.9	12.2	28.1
30	18.8	23.5	16.7	26.1	12.5	26.1
31	19.6	25.5	16.8	27.2		
MEANS	17.2	24.6	17.9	25.7	14.5	27.1
OBSVNS.	31	31	31	31	30	30
MAXIMUM	20.2	27.1	19.2	27.2	16.6	28.5
MINIMUM	14.4	20.9	15.5	23.5	12.2	26.1
STD.DEV.	1.49	1.77	1.00	.85	1.21	.65

SISTERS ISLAND 49 29.2 N 124 26.0 W

	OCTOBER		NOVEMBER		DECEMBER	1984
DATE	TEMP	SAL	TEMP	SAL	TEMP	SAL
1	13.8	25.8	9.3	27.7	7.7	26.7
2	13.5	26.4	9.7	* 27.7	7.2	26.8
3	13.6	26.3	9.8	27.8	7.3	27.7
4	13.5	26.4	9.8	28.0	7.2	27.6
5	12.9	27.6	9.2	27.6	7.0	27.6
6	12.7	27.7	9.4	27.4	7.4	27.6
7	11.8	29.0	9.4	27.3	7.8	28.2
8	11.7	29.1	9.2	27.3	7.7	28.2
9	11.8	28.4	9.3	27.6	7.8	28.4
10	11.8	28.4	8.9	27.1	7.8	28.5
11	12.6	26.1	8.8	27.4	7.8	28.5
12	11.8	26.7	8.9	27.1	7.9	28.5
13	10.8	27.7	9.0	27.1	8.0	28.2
14	10.6	26.1	8.6	27.1	8.1	28.1
15	10.8	26.7	8.8	26.9	7.9	27.7
16	10.6	26.1	8.7	27.3	7.8	27.4
17	10.9	26.9	8.8	27.4	7.6	28.2
18	11.1	26.9	8.8	27.3	7.2	27.7
19	10.6	26.5	9.2	28.0	6.9	27.4
20	10.8	27.4	8.9	27.6	6.8	27.4
21	10.9	26.7	8.8	27.7	7.0	27.4
22	10.8	26.5	8.9	27.7	7.3	27.4
23	10.4	26.4	8.8	27.7	7.1	27.7
24	10.6	26.4	8.5	27.1	7.4	27.8
25	10.4	26.7	8.0	26.3	7.5	28.2
26	10.6	27.2	8.0	26.5	7.0	28.1
27	10.2	25.9	8.3	26.9	6.5	28.0
28	9.8	26.3	8.7	27.6	7.0	28.1
29	9.7	26.4	8.0	26.7	7.0	28.0
30	9.5	26.8	7.9	26.8	6.5	28.2
31	9.0	27.3			6.5	27.7
MEANS	11.3	26.9	8.9	27.3	7.3	27.8
OBSVNS.	31	31	30	29	31	31
YRLY.MEANS					11.4	27.2
MAXIMUM	13.8	29.1	9.8	28.0	8.1	28.5
MINIMUM	9.0	25.8	7.9	26.3	6.5	26.7
STD.DEV.	1.27	.87	.51	.42	.46	.46

ENTRANCE ISLAND 49 12.6 N 123 48.4 W

DATE	JANUARY TEMP	JANUARY SAL	FEBRUARY TEMP	FEBRUARY SAL	MARCH TEMP	MARCH SAL
1	9.0	29.0	6.8	25.9	8.3	29.0
2	9.3	29.1	6.6	25.8	7.6	27.7
3	9.3	29.1	7.0	26.3	7.5	27.2
4	9.4	29.4	6.7	26.3	7.7	27.7
5	7.8	24.4	6.3	26.3	7.2	26.5
6	7.7	27.6	6.8	26.8	7.9	27.7
7	7.5	25.0	7.1	27.8	7.9	27.6
8	8.1	26.5	8.0	28.2	8.0	27.7
9	8.4	28.5	8.0	28.4	8.3	27.4
10	7.9	28.5	8.7	28.6	8.4	27.8
11	7.1	25.5	8.6	29.0	8.2	27.8
12	7.6	26.5	9.0	29.4	8.1	28.9
13	6.8	25.5	9.0	29.3	8.3	28.8
14	6.9	25.9	8.7	28.2	8.1	28.0
15	6.0	25.9	9.0	29.4	8.7	28.8
16	6.6	25.9	9.0	29.3	8.1	28.0
17	5.8	25.9	7.8	27.7	9.0	28.6
18	6.5	27.1	8.7	28.8	8.6	28.8
19	6.1	26.4	8.1	28.9	8.8	29.1
20	6.9	27.7	9.1	29.1	9.0	28.6
21	6.9	27.7	8.1	27.7	8.9	29.0
22	8.1	28.6	7.8	27.7	8.7	28.8
23	7.1	27.7	7.8	27.3	8.5	28.2
24	7.8	27.8	8.7	28.9	8.6	27.4
25	7.1	27.3	8.0	28.4	8.7	27.4
26	6.9	26.1	7.7	27.8	8.8	27.7
27	8.6	29.1	8.1	27.6	9.1	27.3
28 *	7.9 *	27.3	8.5	29.0	9.5	26.9
29	7.1	25.5	7.7	28.2	9.6	27.6
30	6.7	25.4			10.4	27.6
31	6.5	25.0			9.8	27.7
MEANS	7.4	27.0	7.9	28.0	8.5	28.0
OBSVNS.	30	30	29	29	31	31
MAXIMUM	9.4	29.4	9.1	29.4	10.4	29.1
MINIMUM	5.8	24.4	6.3	25.8	7.2	26.5
STD.DEV.	.99	1.48	.79	1.10	.70	.69

ENTRANCE ISLAND 49 12.6 N 123 48.4 W

	APRIL		MAY		JUNE	1984
DATE	TEMP	SAL	TEMP	SAL	TEMP	SAL
1	10.1	27.8	9.6	28.5	12.8	27.7
2	9.7	28.2	10.3	27.7	12.6	29.1
3	9.3	27.4	10.2	26.1	13.1	27.3
4	8.8	28.2	10.3	25.6	12.3	27.3
5	8.9	28.1	10.4	26.0	12.9	27.6
6	9.2	27.8	10.6	27.3	11.5	29.0
7	8.8	28.4	10.8	27.8	12.6	28.6
8	8.7	28.9	11.3	27.7	14.4	25.2
9	8.6	29.0	11.1	28.4	14.7	26.3
10	9.2	29.1	10.4	28.4	15.1	26.1
11	8.9	29.4	10.0	28.5	17.0	26.3
12	9.0	29.4	10.5	28.6	16.4	26.0
13	9.2	29.1	10.9	27.4	15.9	26.4
14	10.2	28.8	10.5	28.4	15.2	26.4
15	9.4	29.0	12.2	27.7	16.7	22.9
16	9.5	28.8	11.4	27.7	15.0	26.3
17	9.0	28.1	11.8	27.2	15.0	26.7
18	9.4	27.8	11.5	27.7	15.2	24.6
19	9.5	28.1	10.5	28.5	15.8	22.0
20	9.8	24.2	10.6	28.0	16.0	19.0
21	9.9	28.4	10.5	27.2	17.5	22.1
22	9.5	27.6	10.6	27.7	14.5	27.3
23	9.5	27.9	10.0	29.0	15.0	27.3
24	9.6	26.8	12.8	28.1	16.9	25.2
25	10.0	27.7	11.4	27.7	17.2	23.3
26	10.2	27.4	12.8	24.4	15.0	27.3
27	11.6	27.3	14.2	25.6	13.2	27.8
28	10.7	28.1	14.4	25.4	12.0	28.8
29	10.3	28.4	13.8	25.8	12.3	28.4
30	9.8	28.5	13.2	26.0	14.1	22.6
31			12.4	26.8		
MEANS	9.5	28.1	11.3	27.3	14.6	26.0
OBSVNS.	30	30	31	31	30	30
MAXIMUM	11.8	29.4	14.4	29.0	17.5	29.1
MINIMUM	8.6	24.2	9.6	24.4	11.5	19.0
STD.DEV.	.68	.99	1.29	1.16	1.72	2.41

ENTRANCE ISLAND 49 12.6 N 123 48.4 W

DATE	JULY TEMP	JULY SAL	AUGUST TEMP	AUGUST SAL	SEPTEMBER 1984 TEMP	SEPTEMBER 1984 SAL
1	14.0	22.6	18.2	25.8	16.0	24.2
2	13.9	25.2	18.3	25.9	16.5	24.0
3	13.7	18.3	19.1	26.0	16.9	22.7
4	15.2	18.2	17.9	25.8	16.1	23.4
5	15.0	21.7	18.0	23.5	14.8	25.8
6	17.3	18.6	17.2	25.5	16.5	23.1
7	16.4	19.4	17.5	27.1	14.4	25.9
8	17.8	18.8	19.0	23.7	15.9	26.9
9	17.8	21.2	18.1	20.5	14.3	26.1
10	19.8	22.6	* 18.5	* 21.0	15.3	23.5
11	17.2	23.7	19.0	21.6	14.0	26.5
12	15.1	26.4	18.1	21.4	14.0	26.3
13	17.7	20.9	16.1	25.5	13.3	28.1
14	15.9	22.1	15.6	26.4	14.8	25.6
15	17.4	17.4	14.8	27.3	15.2	21.7
16	17.9	18.8	16.1	26.8	15.5	24.3
17	17.8	20.0	16.5	26.7	12.9	29.0
18	17.3	23.3	18.3	25.8	13.9	28.2
19	17.5	24.0	19.3	21.7	15.1	24.7
20	18.0	23.9	18.9	21.8	15.4	26.0
21	* 17.5	* 23.8	19.3	22.0	15.2	26.5
22	16.9	23.7	19.9	22.0	14.5	28.2
23	17.8	23.4	18.3	22.7	14.0	26.9
24	18.1	24.7	18.7	24.6	13.5	28.4
25	19.2	23.5	18.5	25.1	12.9	28.8
26	18.9	25.9	17.8	24.6	12.9	29.2
27	19.1	25.9	15.7	26.1	13.0	28.6
28	16.9	26.1	16.6	24.4	12.8	27.6
29	17.4	25.9	15.8	25.8	13.0	26.8
30	17.5	26.1	17.0	24.4	13.1	25.4
31	16.0	27.2	17.0	24.4		
MEANS	17.0	22.6	17.6	24.5	14.5	26.0
OBSVNS.	30	30	30	30	30	30
MAXIMUM	19.8	27.2	19.9	27.3	16.9	29.0
MINIMUM	13.7	17.4	14.8	20.5	12.8	21.7
STD.DEV.	1.56	2.90	1.25	1.95	1.25	2.01

ENTRANCE ISLAND 49 12.6 N 123 48.4 W

DATE	OCTOBER TEMP	OCTOBER SAL	NOVEMBER TEMP	NOVEMBER SAL	DECEMBER TEMP	DECEMBER SAL
1	13.2	26.4	* 9.5	* 27.9	7.9	28.4
2	13.2	26.9	* 9.9	* 28.7	7.3	27.8
3	13.8	27.3	10.0	29.5	6.4	26.5
4	11.9	29.9	10.1	28.8	6.8	27.3
5	12.4	29.3	9.5	26.4	5.6	27.2
6	11.5	29.5	9.2	27.1	5.7	27.2
7	10.8	30.0	9.2	26.7	8.9	29.3
8	10.6	29.7	9.1	26.8	8.2	28.6
9	10.6	29.9	8.9	27.3	8.0	28.5
10	10.4	29.4	9.0	28.1	8.3	29.1
11	10.3	14.0	8.6	26.7	8.3	29.1
12	10.6	29.9	9.0	23.3	8.6	29.3
13	10.0	29.8	8.3	25.8	8.1	29.0
14	10.2	28.8	8.0	25.6	9.0	29.7
15	10.7	24.0	7.6	25.2	8.2	29.0
16	10.2	21.4	8.0	26.0	6.9	27.7
17	11.1	24.8	8.0	27.3	6.8	27.8
18	10.7	26.0	9.4	28.6	6.7	28.2
19	10.8	26.1	9.7	28.9	6.1	27.6
20	10.1	26.3	8.9	28.4	8.0	29.0
21	10.0	25.9	8.6	28.4	7.9	29.3
22	10.7	26.9	8.9	28.8	7.7	28.6
23	10.4	27.4	9.6	29.5	7.1	28.6
24	10.6	28.2	9.9	29.3	* 7.0	* 28.6
25	10.8	28.8	9.0	28.5	6.9	28.5
26	10.6	28.9	7.9	26.5	6.6	28.4
27	9.5	24.0	9.2	29.8	6.1	27.8
28	9.8	26.0	9.5	30.3	6.8	28.5
29	10.2	27.8	9.9	29.0	6.1	28.2
30	9.7	28.1	8.1	28.6	5.6	28.0
31	9.3	27.1			6.0	28.9
MEANS	10.8	27.0	8.9	27.7	7.2	28.4
OBSVNS.	31	31	28	28	30	30
YRLY.MEANS					11.3	26.7
MAXIMUM	13.8	30.0	10.1	30.3	9.0	29.7
MINIMUM	9.3	14.0	7.6	23.3	5.6	26.5
STD.DEV.	1.08	3.18	.67	1.64	1.03	.76

T VANCOUVER 49 20.3 N 123 14.1 W

DATE	JANUARY TEMP	SAL	FEBRUARY TEMP	SAL	MARCH TEMP	SAL	1984
1	5.0	*	7.4	*	7.2	*	
2	6.1	*	7.2	*	6.9	*	
3	7.1	*	6.4	*	6.1	*	
4	7.2	*	6.5	*	7.0	*	
5	7.5	*	6.9	*	6.5	*	
6	8.1	*	6.9	*	8.0	*	
7	7.0	*	7.7	*	8.3	*	
8	6.9	*	7.2	*	8.5	*	
9	7.3	*	7.5	*	8.5	*	
10	7.1	*	6.7	*	8.0	*	
11	7.0	*	6.0	*	8.0	*	
12	6.1	*	7.1	*	8.0	*	
13	5.0	*	7.2	*	8.0	*	
14	4.8	*	6.7	*	8.5	*	
15	5.2	*	7.7	*	8.2	*	
16	5.1	*	7.5	*	8.1	*	
17	4.0	*	7.4	*	7.8	*	
18	4.3	*	6.9	*	7.2	*	
19	4.6	*	7.6	*	8.2	*	
20	4.4	*	6.8	*	7.9	*	
21	4.2	*	7.5	*	8.0	*	
22	6.1	*	7.0	*	8.2	*	
23	5.8	*	7.7	*	7.5	*	
24	6.5	*	6.8	*	7.5	*	
25	7.3	*	6.9	*	7.8	*	
26	7.2	*	7.2	*	8.4	*	
27	7.1	*	7.1	*	8.6	*	
28	7.0	*	7.4	*	9.1	*	
29	6.8	*	7.3	*	9.2	*	
30	7.2	*			8.5	*	
31	7.0	*			9.2	*	
NS	6.2	.0	7.1	.0	8.0	.0	
VNS.	31	0	28	0	31	0	
I*UM	8.1	.0	7.7	.0	9.2	.0	
I*UM	4.0	.0	6.0	.0	6.1	.0	
.DEV.	1.19	.00	.41	.00	.72	.00	

WEST VANCOUVER 49 20.3 N 123 14.1 W

DATE	APRIL TEMP		APRIL SAL	MAY TEMP		MAY SAL	JUNE TEMP		JUNE SAL	1984
1	9.1	*		9.6	*		13.0	*		
2	9.3	*		9.6	*		14.5	*		
3	9.1	*		9.5	*		15.0	*		
4	9.3	*		9.9	*		15.1	*		
5	9.2	*		10.3	*		15.0	*		
6	9.5	*		10.8	*		14.9	*		
7	8.6	*		10.7	*		14.8	*		
8	8.4	*		10.7	*		16.0	*		
9	8.3	*		10.6	*		14.5	*		
10	8.3	*		10.5	*		15.1	*		
11	8.2	*		10.4	*		15.2	*		
12	8.3	*		12.2	*		14.9	*		
13	8.5	*		10.9	*		15.9	*		
14	8.5	*		10.6	*		15.2	*		
15	8.3	*		10.8	*		15.3	*		
16	8.8	*		11.1	*		14.9	*		
17	8.2	*		12.2	*		15.0	*		
18	8.3	*		12.1	*		16.5	*		
19	9.6	*		11.5	*		17.5	*		
20	9.3	*		11.5	*		15.2	*		
21	10.0	*		12.0	*		16.8	*		
22	9.5	*		12.1	*		16.2	*		
23	9.6	*		12.0	*		18.0	*		
24	9.4	*		13.0	*		19.2	*		
25	9.2	*		13.5	*		19.0	*		
26	9.6	*		13.8	*		18.9	*		
27	9.7	*		13.6	*		17.9	*		
28	10.0	*		12.9	*		17.8	*		
29	10.0	*		13.0	*		17.1	*		
30	9.8	*		13.1	*		13.8	*		
31				12.7	*					
MEANS	9.1		.0	11.5		.0	15.9		.0	
OBSVNS.	30		0	31		0	30		0	
MAXIMUM	10.0		.0	13.8		.0	19.2		.0	
MINIMUM	8.2		.0	9.5		.0	13.0		.0	
STD.DEV.	.61		.00	1.28		.00	1.59		.00	

ST VANCOUVER 49 20.3 N 123 14.1 W

DATE	JULY TEMP		SAL	AUGUST TEMP		SAL	SEPTEMBER 1984 TEMP		SAL
1	14.0	*		18.6	*		16.5	*	
2	14.6	*		19.1	*		16.2	*	
3	16.2	*		19.3	*		16.6	*	
4	13.9	*		19.8	*		16.2	*	
5	15.9	*		17.5	*		16.5	*	
6	17.0	*		18.7	*		16.4	*	
7	16.0	*		17.6	*		14.0	*	
8	16.7	*		17.0	*		15.1	*	
9	16.7	*		16.5	*		14.3	*	
10	17.1	*		16.1	*		15.8	*	
11	17.9	*		18.6	*		15.4	*	
12	18.0	*		17.5	*		14.4	*	
13	17.2	*		16.9	*		13.9	*	
14	16.4	*		16.5	*		13.5	*	
15	17.1	*		16.8	*		14.0	*	
16	18.5	*		17.6	*		14.5	*	
17	17.1	*		18.9	*		14.6	*	
18	17.0	*		18.5	*		14.3	*	
19	16.4	*		18.6	*		14.1	*	
20	16.7	*		17.5	*		13.1	*	
21	15.1	*		18.2	*		12.0	*	
22	16.6	*		18.2	*		11.7	*	
23	16.2	*		17.5	*		12.0	*	
24	17.1	*		16.9	*		11.9	*	
25	16.8	*		17.2	*		12.1	*	
26	18.1	*		14.5	*		12.1	*	
27	18.0	*		15.6	*		11.1	*	
28	16.0	*		15.7	*		10.8	*	
29	16.2	*		15.4	*		12.1	*	
30	18.5	*		15.9	*		11.3	*	
31	18.4	*		15.8	*				
NS	16.8		.0	17.3		.0	13.9		.0
VNS.	31		0	31		0	30		0
IMUM	18.8		.0	19.9		.0	16.6		.0
IMUM	13.9		.0	14.5		.0	10.8		.0
.DEV.	1.24		.00	1.16		.00	1.83		.00

WEST VANCOUVER 49° 20.3 N 123° 14.1 W

DATE	OCTOBER TEMP		SAL		NOVEMBER TEMP		SAL		DECEMBER TEMP		SAL	1984
1	11.7	*			* 8.4	*			7.2	*		
2	12.0	*			8.5	*			6.8	*		
3	12.1	*			8.5	*			5.8	*		
4	12.2	*			8.0	*			5.5	*		
5	13.0	*			8.0	*			5.8	*		
6	11.4	*			8.7	*			6.2	*		
7	12.2	*			8.7	*			6.1	*		
8	12.5	*			8.8	*			8.1	*		
9	12.1	*			7.4	*			7.7	*		
10	11.5	*			8.5	*			6.2	*		
11	11.1	*			8.2	*			6.7	*		
12	12.1	*			8.3	*			6.2	*		
13	12.2	*			8.2	*			6.1	*		
14	11.2	*			7.2	*			6.5	*		
15	9.6	*			7.8	*			7.1	*		
16	9.9	*			7.4	*			5.6	*		
17	8.8	*			8.2	*			5.7	*		
18	9.5	*			9.0	*			4.9	*		
19	8.8	*			8.7	*			4.5	*		
20	9.8	*			8.4	*			3.6	*		
21	9.9	*			8.0	*			4.1	*		
22	9.7	*			7.9	*			3.8	*		
23	9.2	*			8.1	*			4.7	*		
24	8.9	*			8.9	*			4.8	*		
25	9.0	*			9.0	*			5.1	*		
26	9.1	*			8.6	*			4.7	*		
27	8.8	*			8.2	*			4.9	*		
28	9.0	*			7.1	*			3.2	*		
29	8.9	*			7.0	*			3.1	*		
30	8.0	*			7.1	*			2.9	*		
31	8.3	*							3.0	*		
MEANS	10.4		.0		8.1		.0		5.4		.0	
OBSVNS.	31		0		29		0		31		0	
YRLY.MEANS									10.8		.0	
MAXIMUM	13.0		.0		9.2		.0		8.1		.0	
MINIMUM	8.0		.0		6.2		.0		2.9		.0	
STD.DEV.	1.52		.00		.72		.00		1.41		.00	

ACTIVE PASS 48 52.4 N 123 17.4 W

DATE	JANUARY TEMP	JANUARY SAL	FEBRUARY TEMP	FEBRUARY SAL	MARCH TEMP	MARCH SAL
1	6.8	27.6	7.4	25.8	8.8	28.5
2	7.5	28.0	7.2	25.4	8.6	27.7
3	7.8	27.6	6.8	24.0	8.5	26.9
4	8.4	28.4	6.9	24.6	8.4	26.0
5	* 8.1	* 28.1	6.7	25.1	8.2	27.0
6	7.7	27.8	7.7	27.1	7.8	26.5
7	6.8	23.1	7.6	27.7	7.7	27.2
8	7.7	27.2	7.6	27.3	7.9	26.9
9	7.9	27.8	8.1	28.1	8.1	27.3
10	8.1	27.8	8.3	29.1	8.6	27.7
11	7.2	20.3	8.2	29.0	8.6	28.0
12	7.6	25.8	8.4	29.0	8.7	28.4
13	6.2	20.6	8.6	29.3	8.4	28.0
14	6.7	25.4	8.4	28.8	8.8	28.0
15	5.8	23.1	8.9	29.4	8.8	28.1
16	6.3	24.2	8.6	29.3	8.8	28.6
17	7.3	26.9	8.1	27.8	8.9	29.7
18	* 6.8	* 26.7	8.3	29.8	9.1	29.7
19	6.3	26.4	8.3	29.5	9.3	29.1
20	7.1	27.3	8.8	28.9	8.8	28.6
21	7.8	28.0	7.9	28.1	8.6	28.6
22	8.1	28.4	* 7.9	* 28.2	8.6	29.1
23	7.8	27.4	8.0	28.4	* 8.7	* 28.3
24	8.1	27.7	8.3	28.4	8.8	27.4
25	8.3	28.4	7.6	25.5	8.7	28.5
26	8.0	28.4	7.7	26.7	9.4	28.8
27	8.6	28.5	8.6	28.4	9.7	27.3
28	9.0	28.1	9.2	28.4	9.6	28.2
29	8.2	26.4	9.0	28.6	9.8	26.4
30	7.3	23.3			10.8	25.9
31	7.7	25.8			10.3	22.7
MEANS	7.5	26.4	8.0	27.8	8.8	27.7
OBSVNS.	29	29	28	28	30	30
MAXIMUM	9.0	28.5	9.2	29.8	10.8	29.7
MINIMUM	5.8	20.3	6.7	24.0	7.7	22.7
STD.DEV.	.77	2.32	.66	1.63	.69	1.37

1984

ACTIVE PASS 48 52.4 N 123 17.4 W

DATE	APRIL TEMP	APRIL SAL	MAY TEMP	MAY SAL	JUNE TEMP	JUNE SAL	1984
1	10.3	26.3	9.8	28.8	13.8	25.5	
2	9.4	27.7	9.9	28.8	14.1	20.5	
3	9.3	28.4	9.7	27.8	* 13.0	* 23.8	
4	9.7	27.3	9.8	27.1	11.8	27.1	
5	9.4	26.4	10.2	26.7	11.8	27.8	
6	9.0	26.3	10.1	27.6	11.5	28.6	
7	9.2	27.3	10.6	27.3	11.8	28.0	
8	8.9	28.2	10.6	27.6	13.0	27.7	
9	9.2	28.0	10.6	27.8	15.6	19.2	
10	9.5	29.4	* 10.8	* 28.3	12.7	26.5	
11	9.7	29.4	11.0	28.8	15.1	24.2	
12	9.8	29.4	10.7	28.8	15.2	25.2	
13	9.9	29.1	10.2	28.6	16.7	14.2	
14	10.3	29.4	10.5	28.9	15.8	24.2	
15	9.7	29.0	10.8	28.2	13.6	26.0	
16	9.6	28.6	10.6	28.9	14.2	23.8	
17	9.9	28.9	10.1	27.8	13.6	25.4	
18	9.5	28.8	10.3	27.8	14.3	9.8	
19	9.3	27.2	10.3	28.0	15.0	18.4	
20	9.3	28.2	10.3	28.2	16.1	12.7	
21	9.4	28.4	11.8	27.4	16.8	23.1	
22	9.5	27.4	10.1	28.1	14.3	29.1	
23	* 9.8	* 24.6	11.1	29.1	15.1	26.1	
24	10.2	21.7	12.4	27.8	16.6	22.4	
25	10.5	25.6	* 13.0	* 21.7	13.2	27.4	
26	10.9	25.4	13.6	15.6	12.7	29.1	
27	10.4	28.4	12.2	28.2	11.3	28.9	
28	11.7	22.6	10.8	28.6	10.8	29.3	
29	10.8	28.1	14.3	21.0	10.9	29.5	
30	10.1	28.4	13.3	24.3	11.4	28.9	
31			12.5	29.3			
MEANS	9.8	27.6	11.0	27.3	13.8	24.4	
OBSVNS.	29	29	29	29	29	29	
MAXIMUM	11.7	29.4	14.3	29.3	16.8	29.5	
MINIMUM	8.9	21.7	9.7	15.6	10.8	9.8	
STD.DEV.	.63	1.88	1.21	2.78	1.85	5.19	

ACTIVE PASS 48 52.4 N 123 17.4 W

	JULY		AUGUST		SEPTEMBER 1984	
DATE	TEMP	SAL	TEMP	SAL	TEMP	SAL
1	11.4	28.1	13.4	28.2	15.8	19.9
2	11.7	28.0	13.8	26.8	15.3	24.2
3	11.7	28.1	14.7	26.8	15.0	26.5
4	11.7	28.5	14.1	27.7	* 13.9	* 27.3
5	13.2	22.2	17.7	15.6	12.7	28.2
6	14.8	14.9	14.0	28.5	14.2	24.7
7	16.7	15.7	16.7	19.6	12.8	27.2
8	18.0	19.0	18.5	18.4	12.8	28.0
9	14.5	26.5	20.0	13.1	13.0	28.0
10	14.9	27.4	19.4	16.7	13.2	27.3
11	12.6	28.5	16.8	23.9	12.7	28.0
12	14.2	27.2	14.5	26.3	12.2	28.4
13	14.7	27.3	12.4	29.0	15.4	18.4
14	18.1	10.7	13.0	28.4	15.6	14.9
15	16.8	12.0	12.7	28.5	15.4	18.8
16	16.3	7.0	13.8	27.8	13.0	27.3
17	* 17.1	* 13.7	14.7	27.1	13.4	27.8
18	17.9	20.4	19.3	11.0	13.8	28.1
19	17.5	19.6	19.4	14.1	* 14.2	* 27.2
20	17.2	12.4	19.6	16.9	* 14.7	* 26.4
21	16.8	12.8	19.6	22.2	15.1	25.5
22	18.5	17.3	17.6	25.8	13.8	20.8
23	19.8	17.5	15.2	26.7	13.8	22.6
24	20.6	12.4	16.6	26.0	13.5	25.8
25	20.7	13.2	16.6	25.9	13.3	27.1
26	17.1	25.8	14.3	27.2	13.0	26.4
27	16.9	25.5	14.9	26.4	13.0	24.3
28	14.6	27.4	13.8	27.3	12.8	24.2
29	14.3	28.1	13.8	26.8	12.7	24.2
30	12.4	29.1	14.0	26.5	12.8	24.0
31	13.3	28.0	14.3	26.7		
EANS	15.6	21.4	15.8	23.9	13.7	24.8
BSVNS.	30	30	31	31	27	27
AXIMUM	20.7	29.1	20.0	29.0	15.8	28.4
INIMUM	11.4	7.0	12.4	11.0	12.2	14.9
TD.DEV.	2.69	6.99	2.38	5.30	1.10	3.55

ACTIVE PASS 48 52.4 N 123 17.4 W

	OCTOBER		NOVEMBER		DECEMBER 1984	
DATE	TEMP	SAL	TEMP	SAL	TEMP	SAL
1	12.8	25.4	10.4	27.6	7.2	26.3
2	12.7	26.9	10.2	28.1	7.1	26.1
3	13.1	26.3	10.3	29.0	6.9	26.0
4	12.9	28.1	* 10.1	* 28.1	5.9	23.8
5	12.6	28.9	9.8	27.2	7.3	25.8
6	11.8	28.4	9.7	26.8	7.6	26.7
7	11.8	28.8	9.8	28.0	8.7	27.7
8	11.7	28.6	* 9.7	* 28.1	7.9	26.5
9	11.3	29.0	9.6	28.2	8.2	27.4
10	10.8	28.8	9.7	28.4	* 8.4	* 28.1
11	11.2	28.9	9.1	25.8	8.6	28.9
12	10.7	29.1	8.6	21.3	8.4	28.6
13	10.2	29.3	* 8.2	* 22.5	7.8	28.5
14	9.8	28.9	7.7	23.8	8.9	28.8
15	10.4	22.6	8.3	25.1	8.3	28.6
16	10.2	21.2	8.4	25.9	7.7	28.2
17	10.2	21.2	8.7	25.8	6.9	28.0
18	10.7	27.1	9.8	27.7	6.3	26.4
19	10.7	24.4	9.3	28.4	5.8	25.0
20	10.9	22.5	9.5	27.4	7.1	27.1
21	11.3	20.5	8.9	26.9	7.2	27.2
22	10.6	22.5	9.3	28.0	7.5	27.4
23	10.4	25.8	9.4	29.0	6.9	26.0
24	10.4	26.8	9.0	28.5	6.8	26.1
25	10.6	27.6	9.0	28.8	* 6.6	* 26.2
26	10.1	26.0	9.1	28.8	6.4	26.4
27	9.9	28.1	9.2	29.0	6.4	26.7
28	9.7	28.5	9.4	29.1	6.8	27.6
29	9.8	22.2	8.7	27.8	6.2	27.8
30	* 9.6	* 22.1	8.4	27.8	6.1	28.0
31	9.4	22.1			5.8	27.8
MEANS	11.0	26.1	9.2	27.3	7.2	27.1
OBSVNS.	30	30	27	27	29	29
YRLY.MEANS					11.0	26.0
MAXIMUM	13.1	29.3	10.4	29.1	8.9	28.9
MINIMUM	9.4	20.5	7.7	21.3	5.8	23.8
STD.DEV.	1.04	2.92	.65	1.79	.90	1.21

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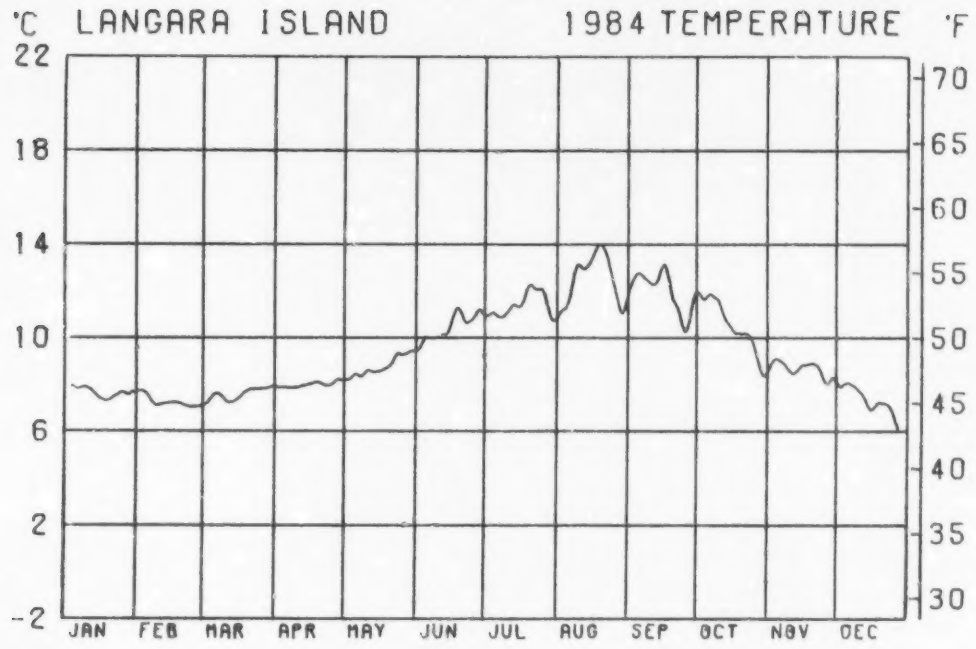
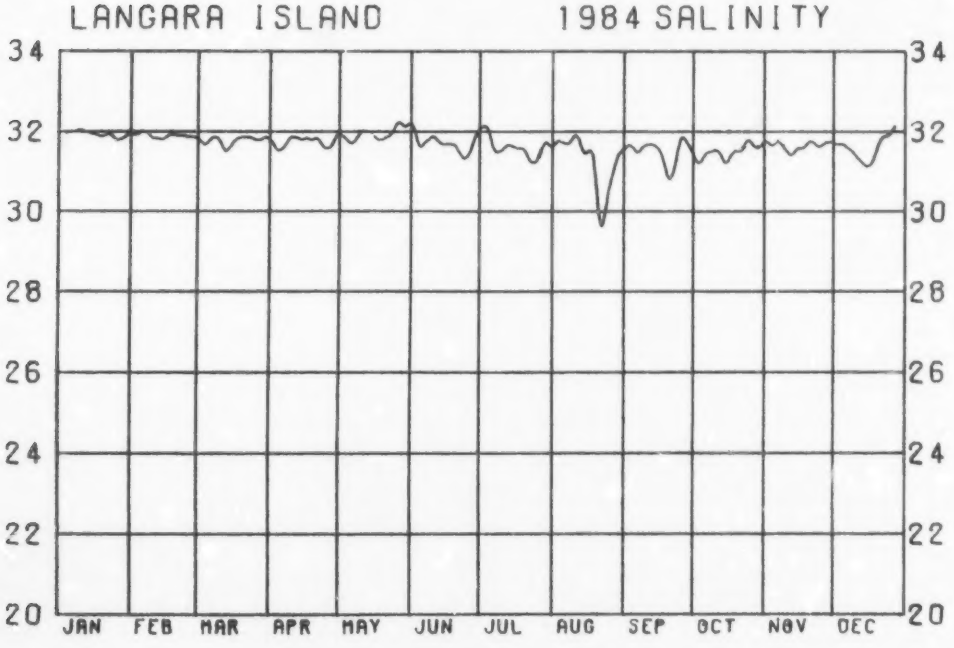
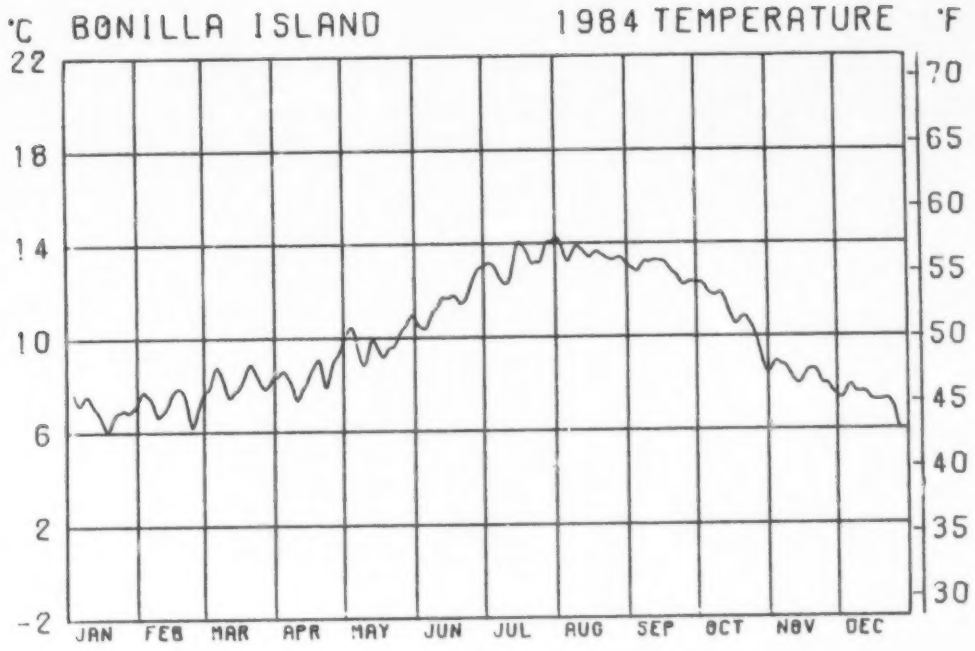
Annual Graphs of the 7-day
Normally-Weighted Running Means
for Temperature and Salinity
1984

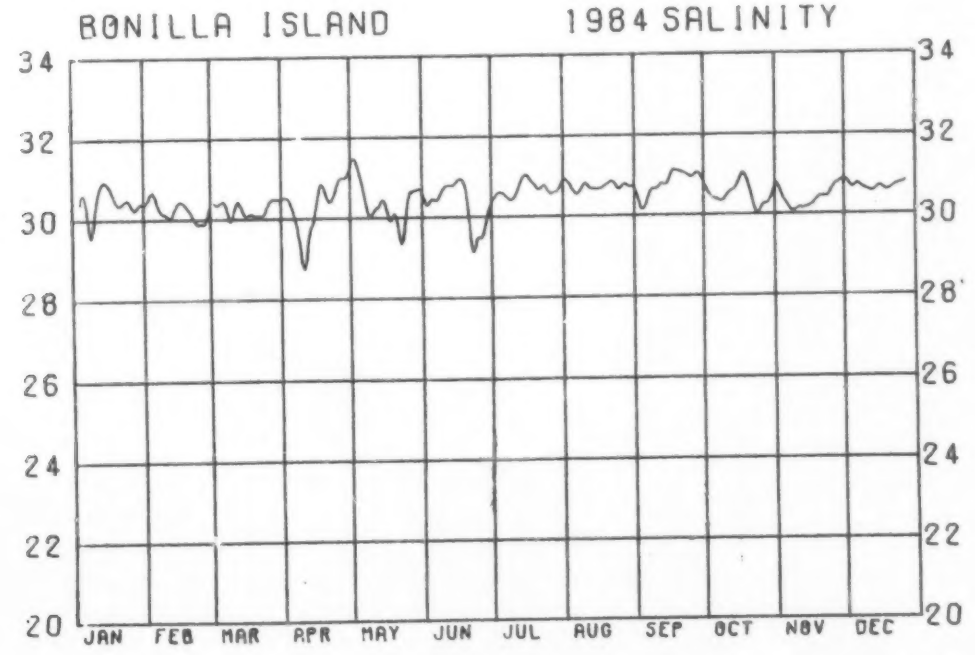
TEMP: Temperature (^{O}C and ^{O}F)

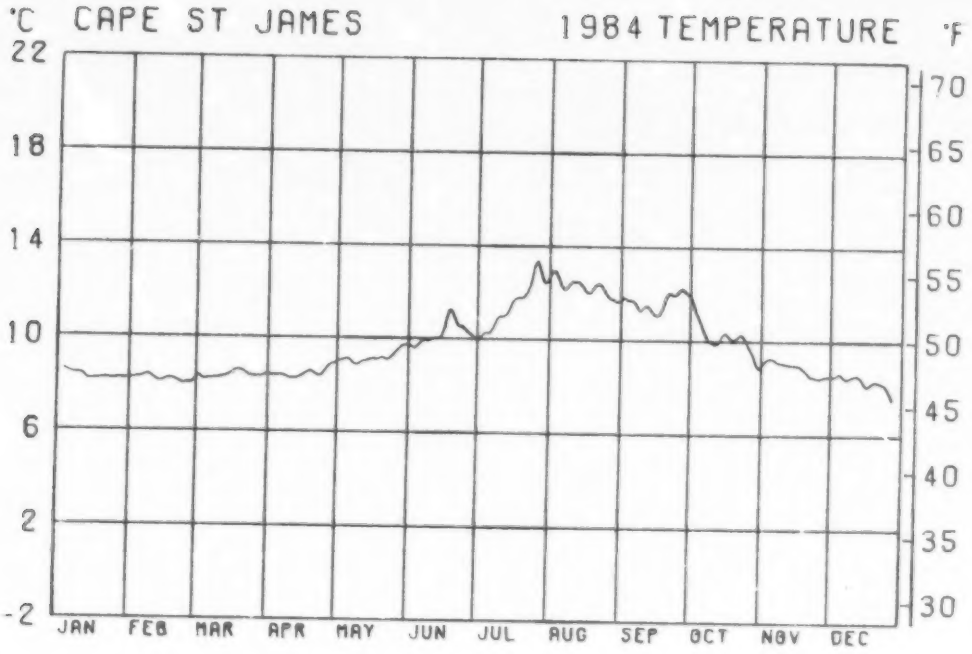
SAL: Salinity ($^{O}/oo$)

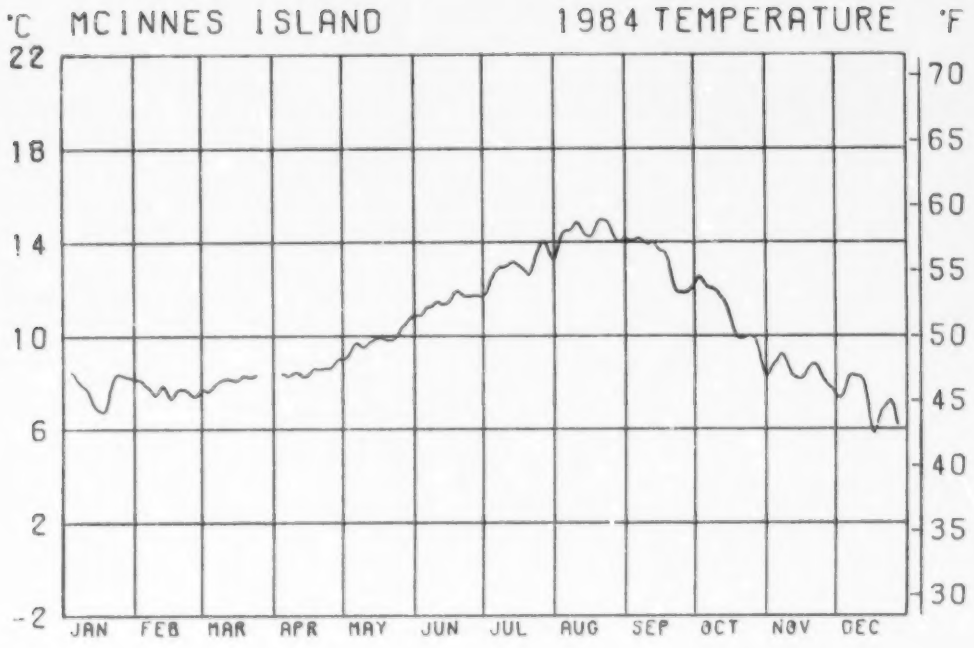

°C LANGARA ISLAND 1984 TEMPERATURE °F
22
18
14
10
6
2
-2
70
65
60
55
50
45
40
35
30
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC

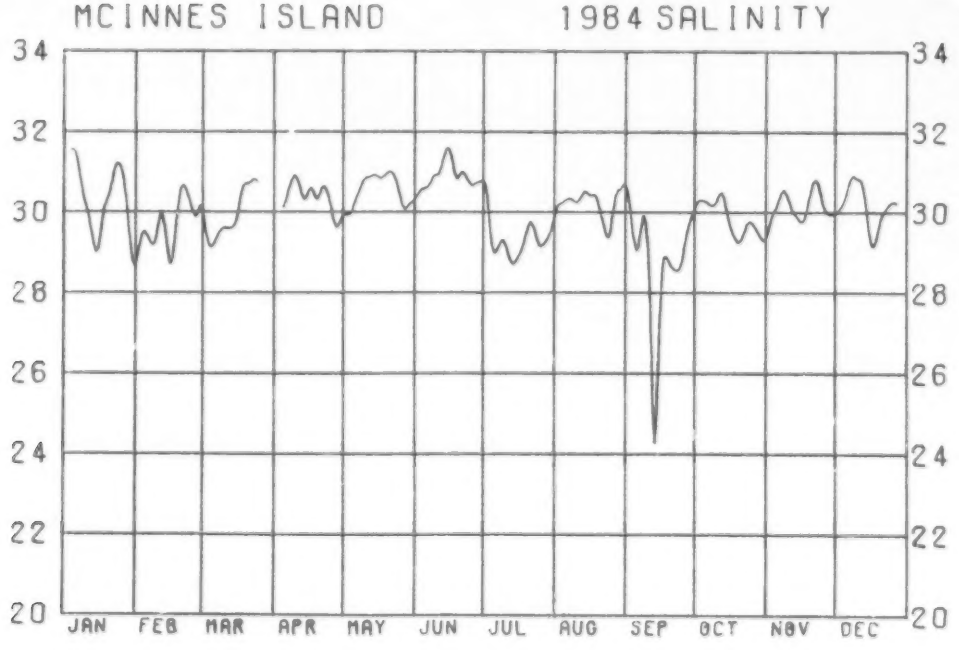

LANGARA ISLAND 1984 SALINITY
34
32
30
28
26
24
22
20
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC

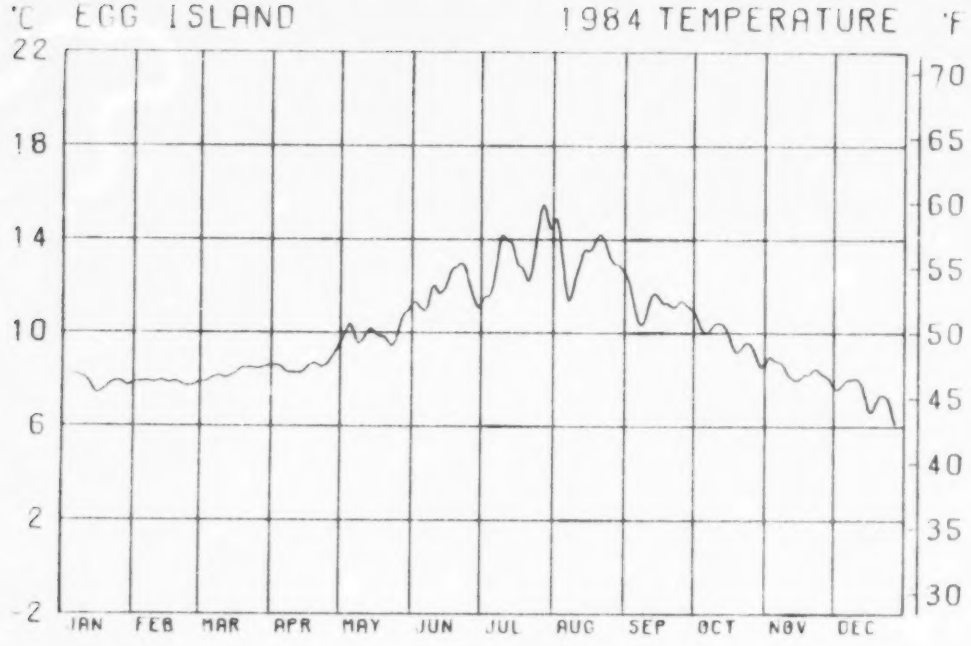

°C BONILLA ISLAND 1984 TEMPERATURE °F
22
18
14
10
6
2
-2
70
65
60
55
50
45
40
35
30
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC

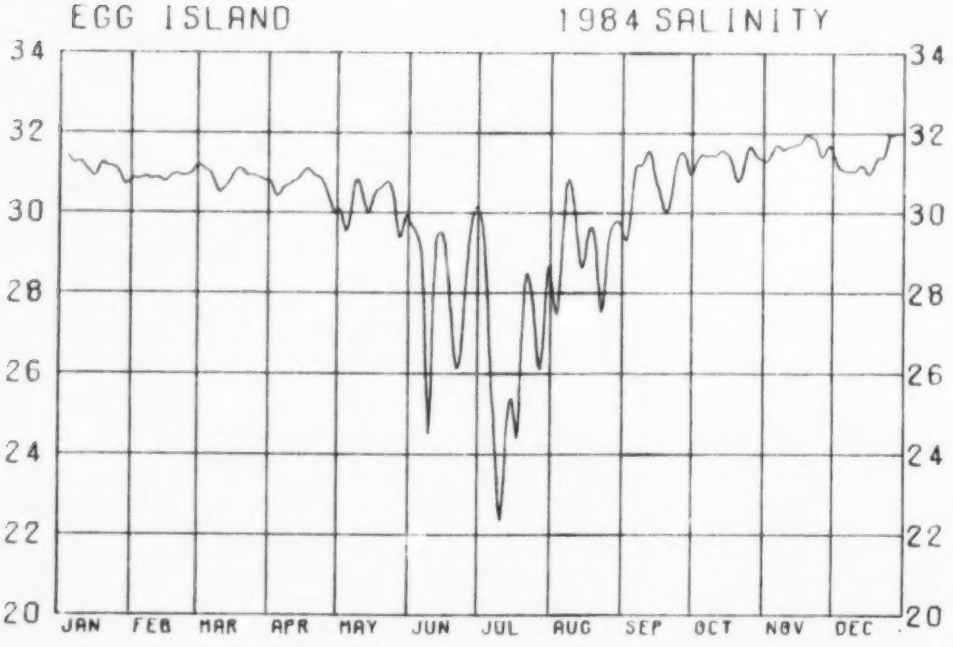

BONILLA ISLAND 1984 SALINITY
34
32
30
28
26
24
22
20
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC

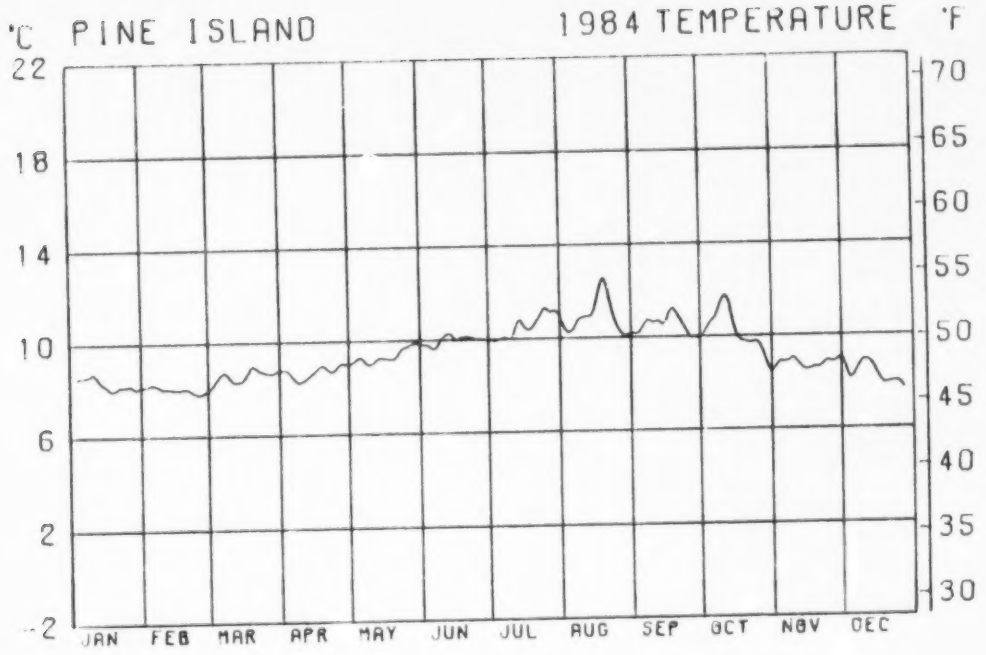

°C
CAPE ST JAMES
1984 TEMPERATURE
°F
22
18
14
10
6
2
-2
70
65
60
55
50
45
40
35
30
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
OCT
NOV
DEC

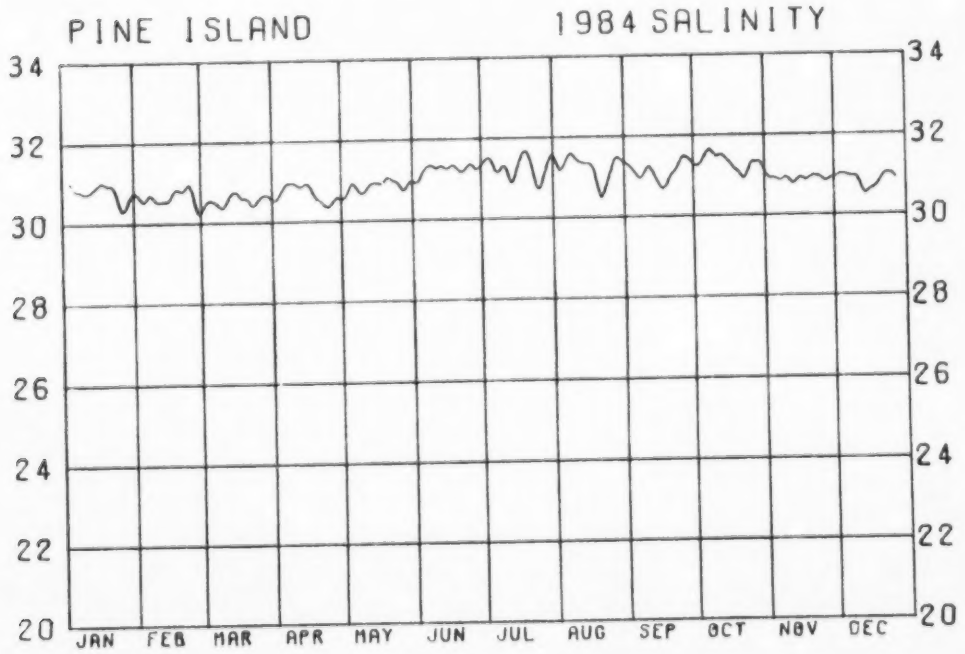

°C MCINNES ISLAND 1984 TEMPERATURE °F
22
18
14
10
6
2
-2
70
65
60
55
50
45
40
35
30
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC


MCINNES ISLAND 1984 SALINITY
34
32
30
28
26
24
22
20
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC


°C EGG ISLAND
1984 TEMPERATURE °F
22
18
14
10
6
2
-2
70
65
60
55
50
45
40
35
30
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC


EGG ISLAND
1984 SALINITY
34
32
30
28
26
24
22
20
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC


°C PINE ISLAND 1984 TEMPERATURE °F
22
18
14
10
6
2
-2
70
65
60
55
50
45
40
35
30
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC


PINE ISLAND 1984 SALINITY
34
32
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34
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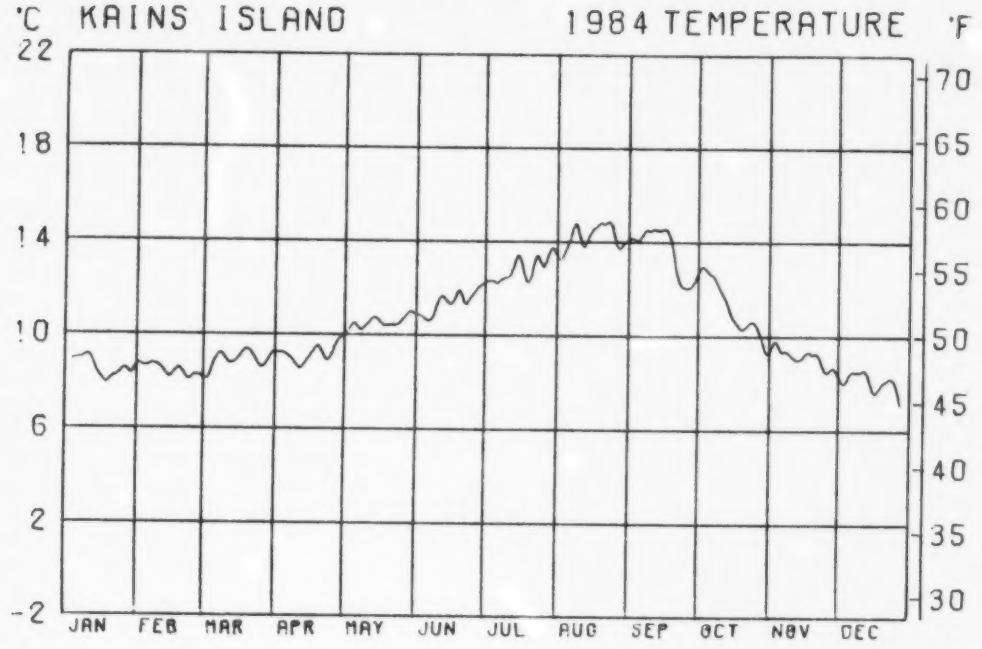
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC


°C KAINS ISLAND 1984 TEMPERATURE °F
22
18
14
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70
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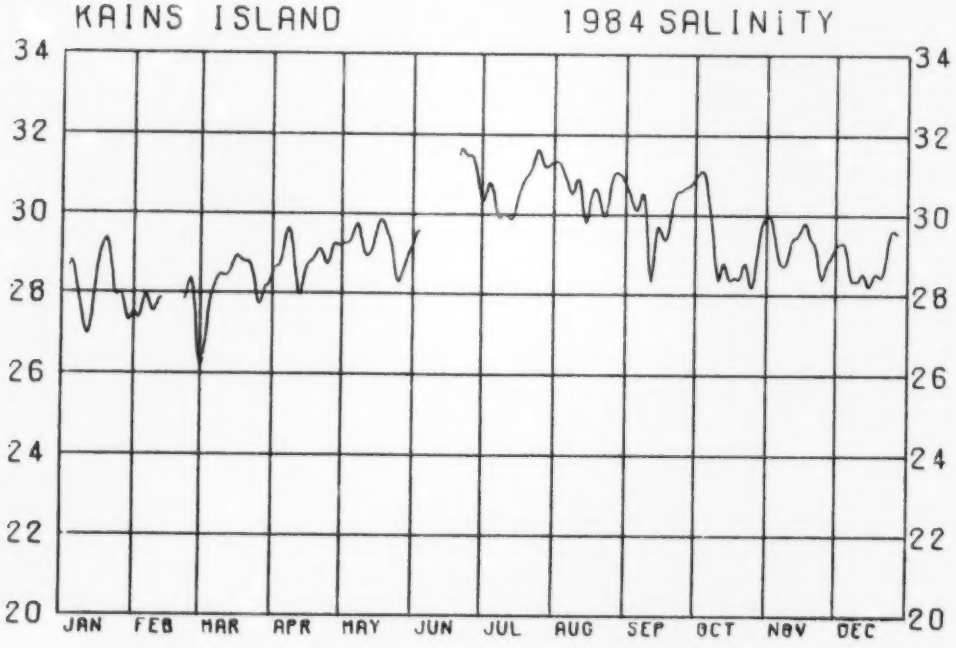
30
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC


KAINS ISLAND 1984 SALINITY
34
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26
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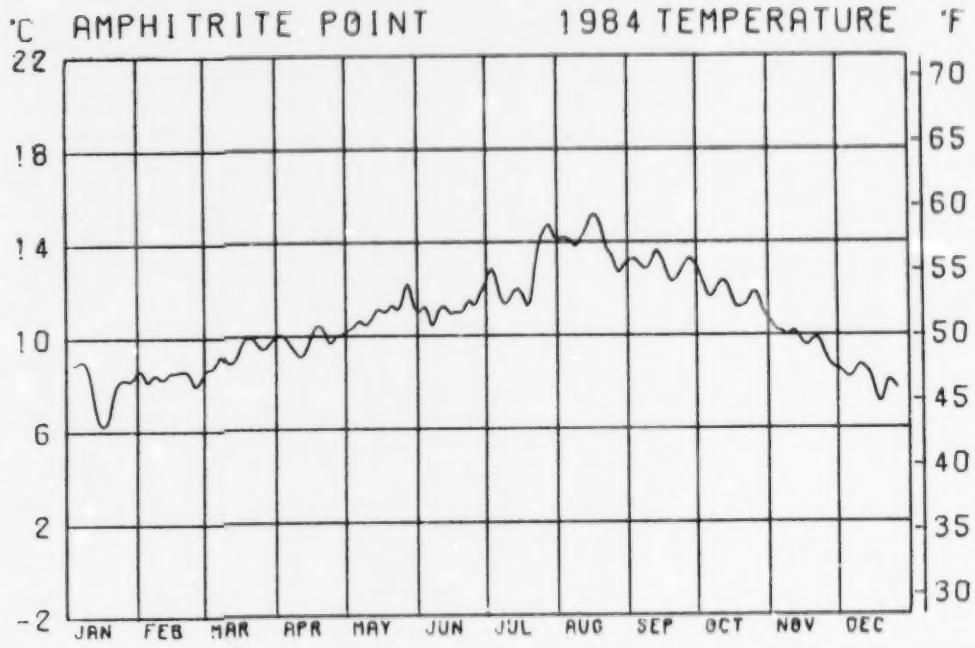
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC


°C
AMPHITRITE POINT
1984 TEMPERATURE
°F
22
18
14
10
6
2
-2
70
65
60
55
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35
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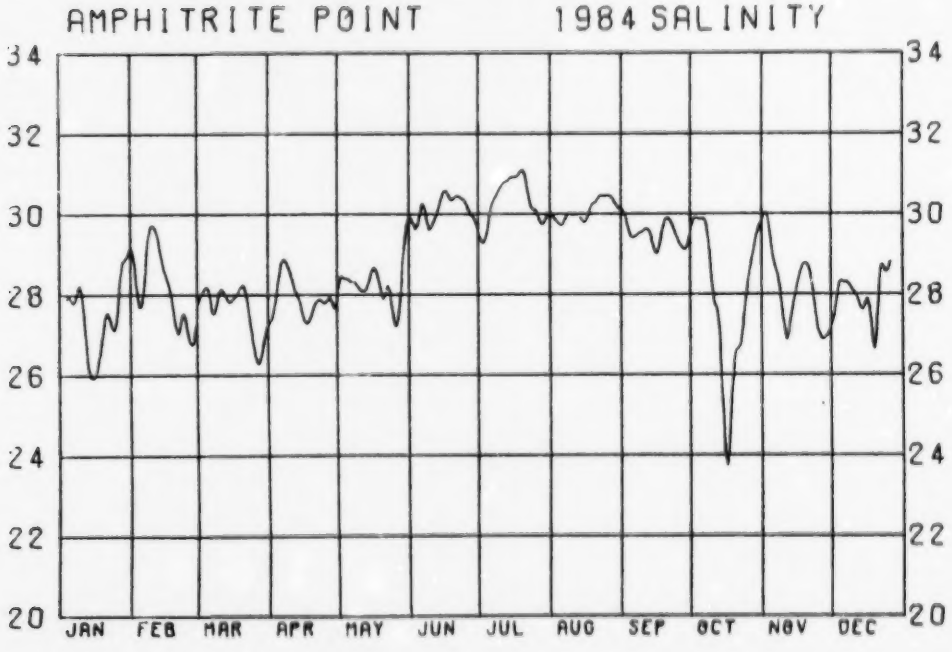
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
OCT
NOV
DEC


AMPHITRITE POINT
1984 SALINITY
34
32
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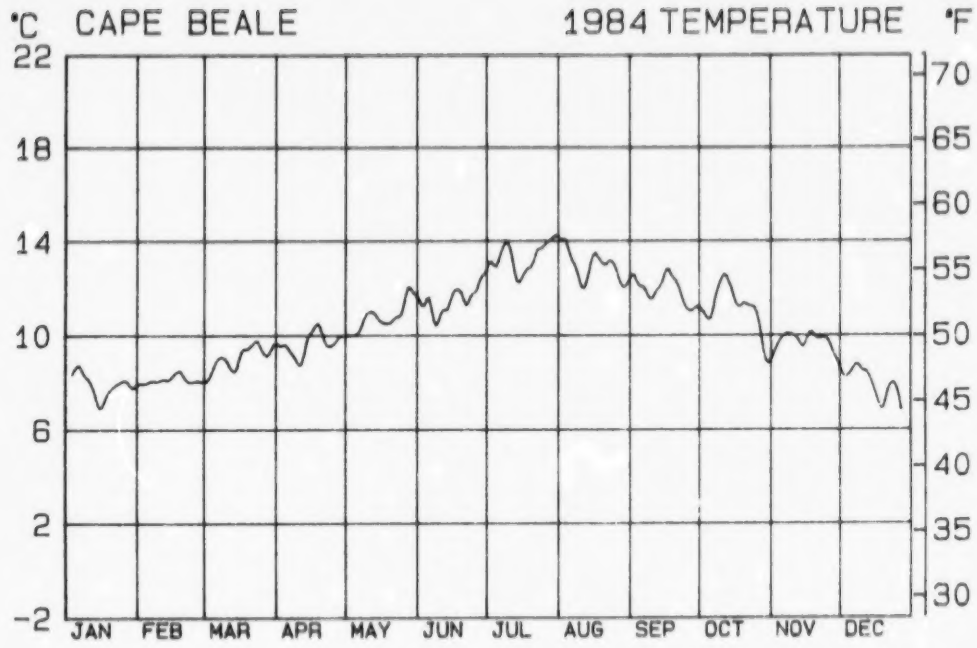
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
OCT
NOV
DEC


°C CAPE BEALE 1984 TEMPERATURE °F
22
18
14
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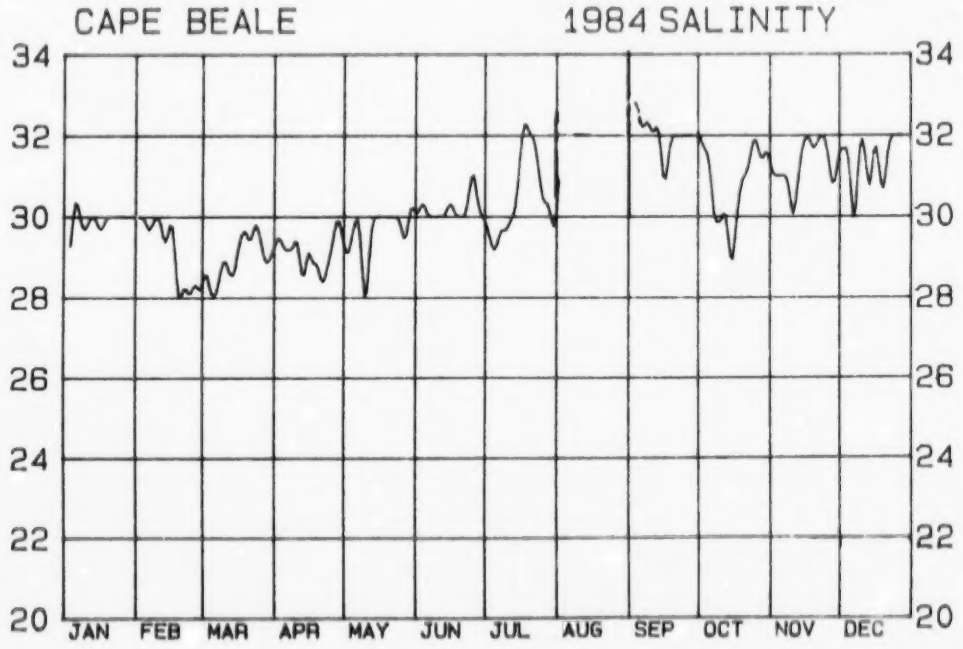
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC


CAPE BEALE 1984 SALINITY
34
32
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24
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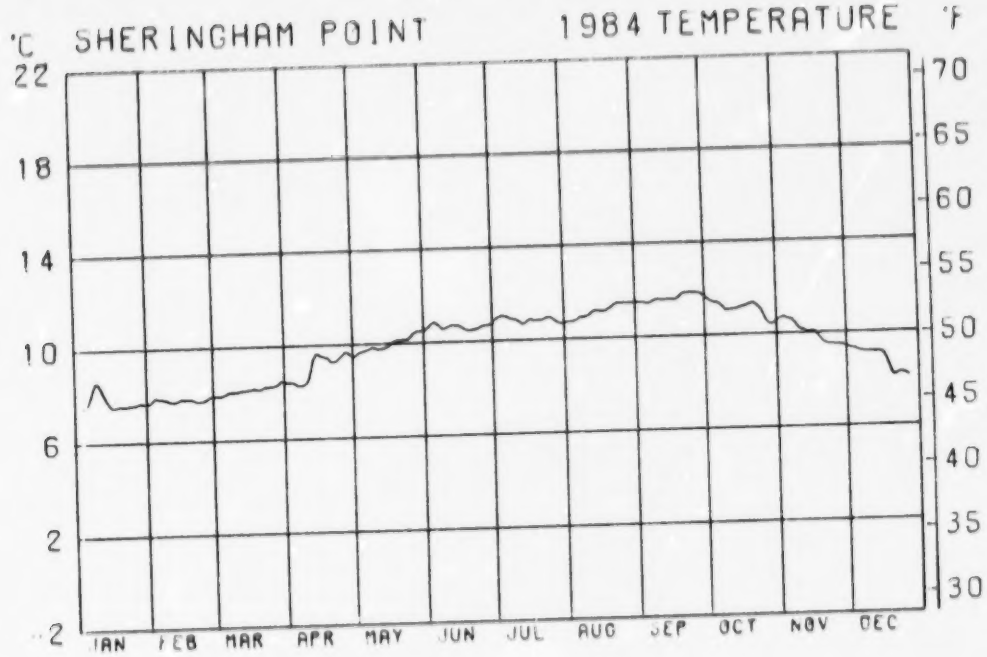
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC


°C SHERINGHAM POINT 1984 TEMPERATURE °F
22
18
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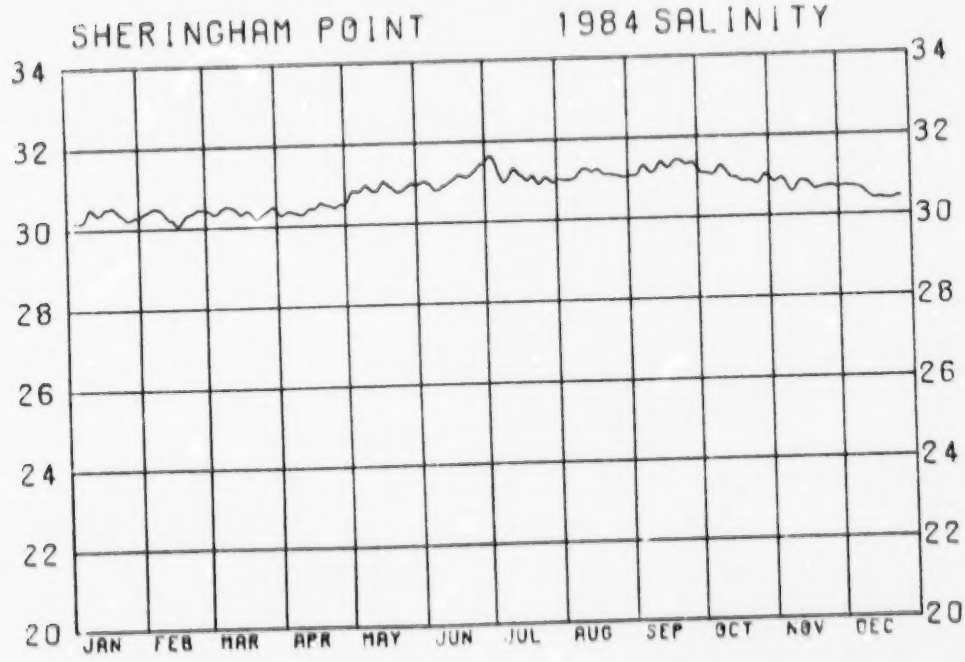
30
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC


SHERINGHAM POINT 1984 SALINITY
34
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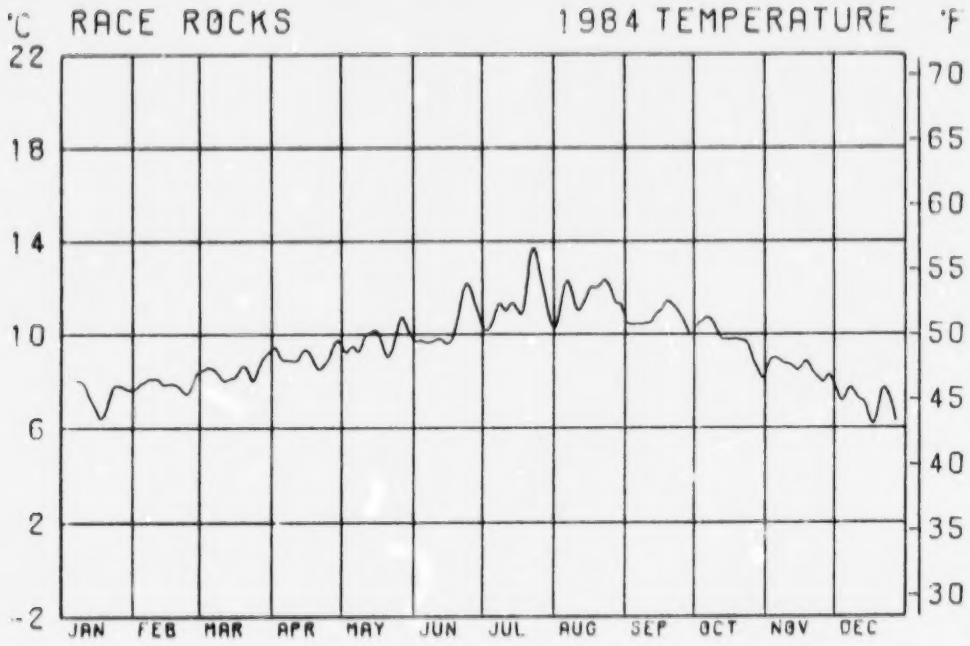
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC


°C RACE ROCKS 1984 TEMPERATURE °F
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18
14
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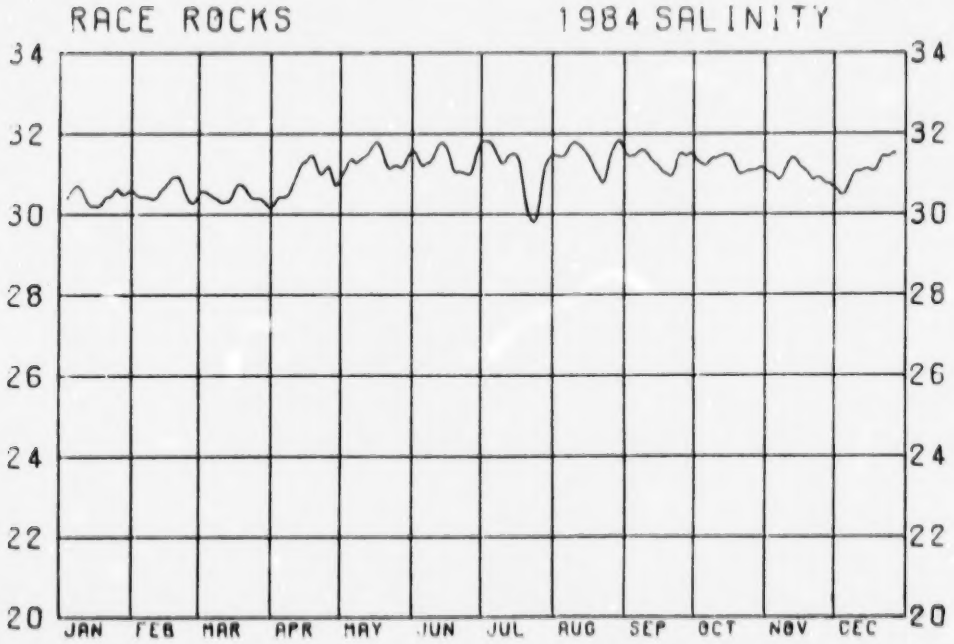
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC


RACE ROCKS 1984 SALINITY
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32
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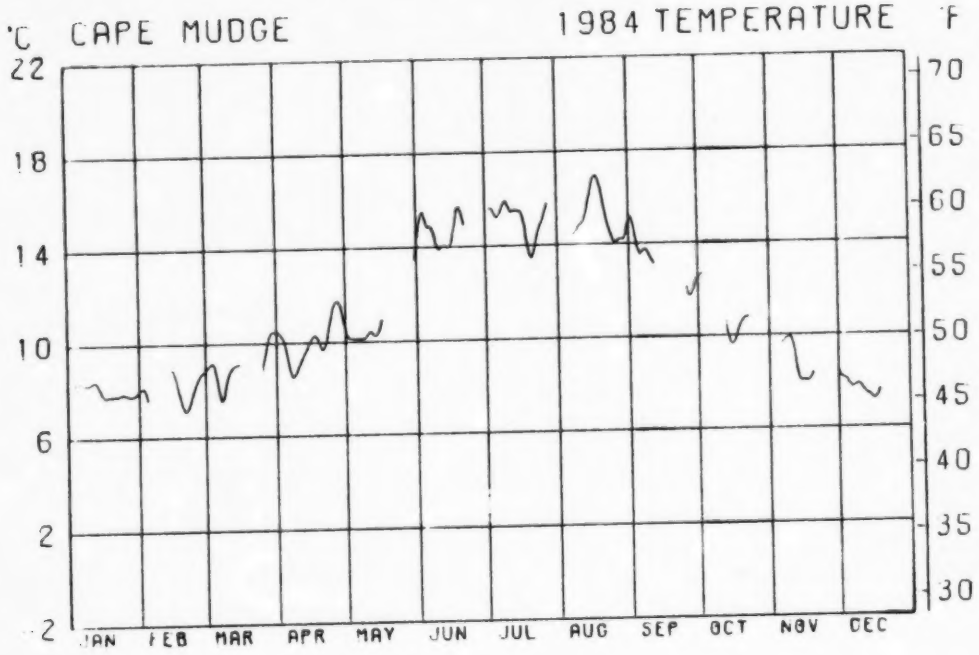
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC


°C CAPE MUDGE 1984 TEMPERATURE °F
22
18
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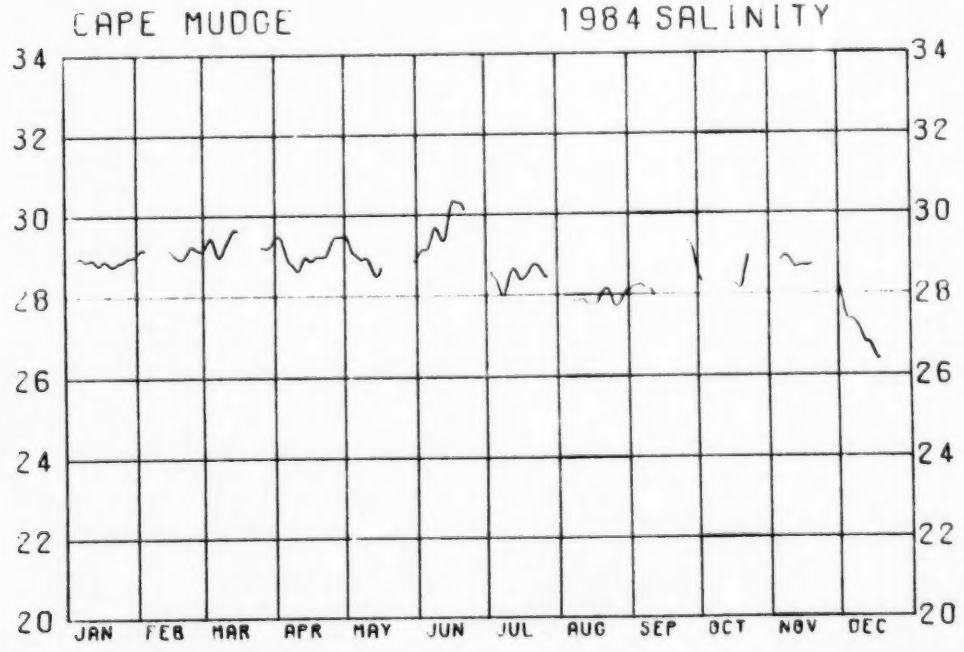
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC


CAPE MUDGE 1984 SALINITY
34
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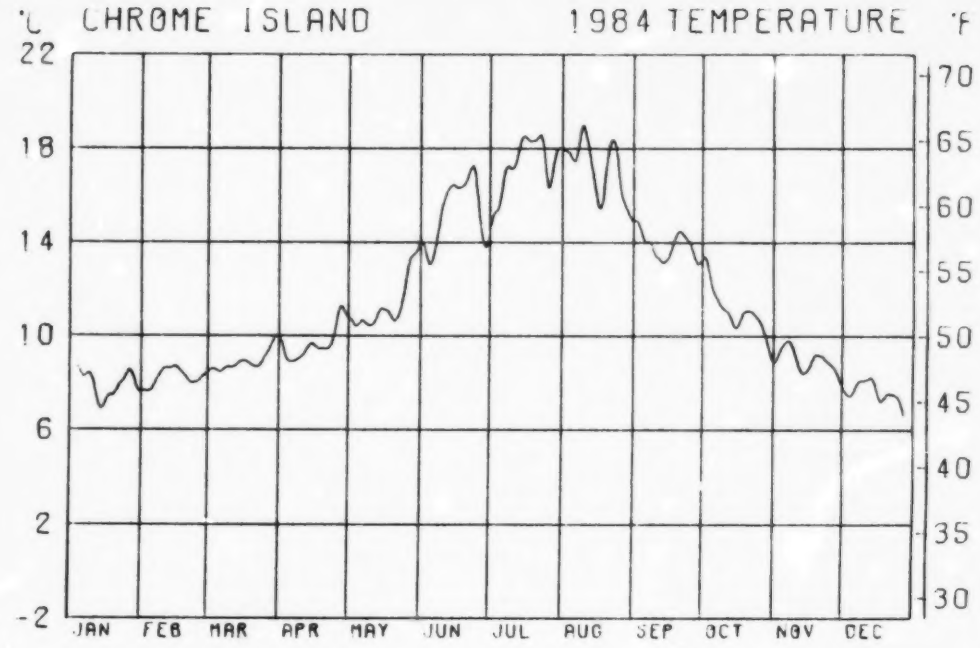
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC


°C CHROME ISLAND 1984 TEMPERATURE °F
22
18
14
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-2
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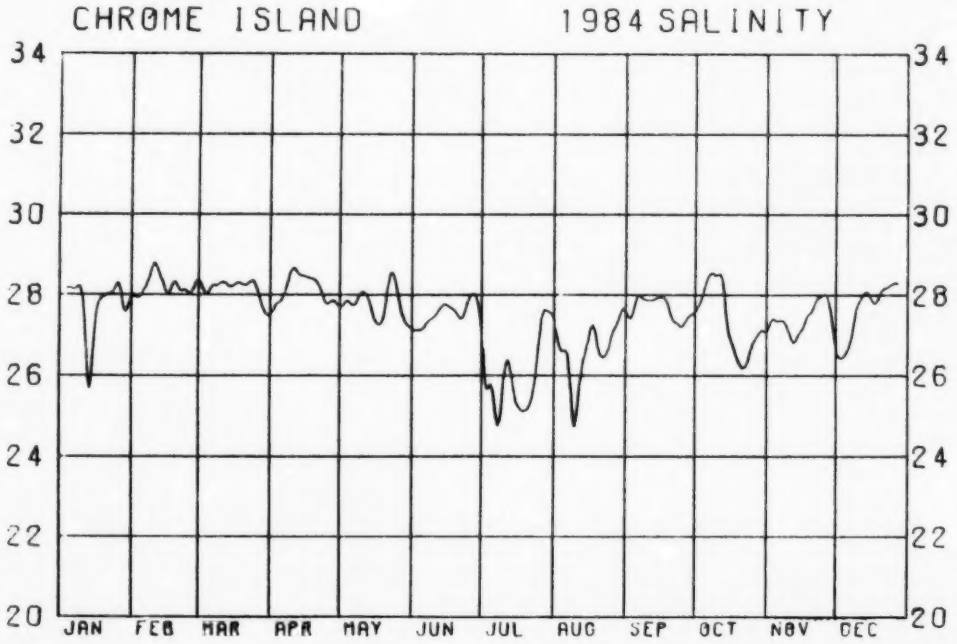
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC


CHROME ISLAND 1984 SALINITY
34
32
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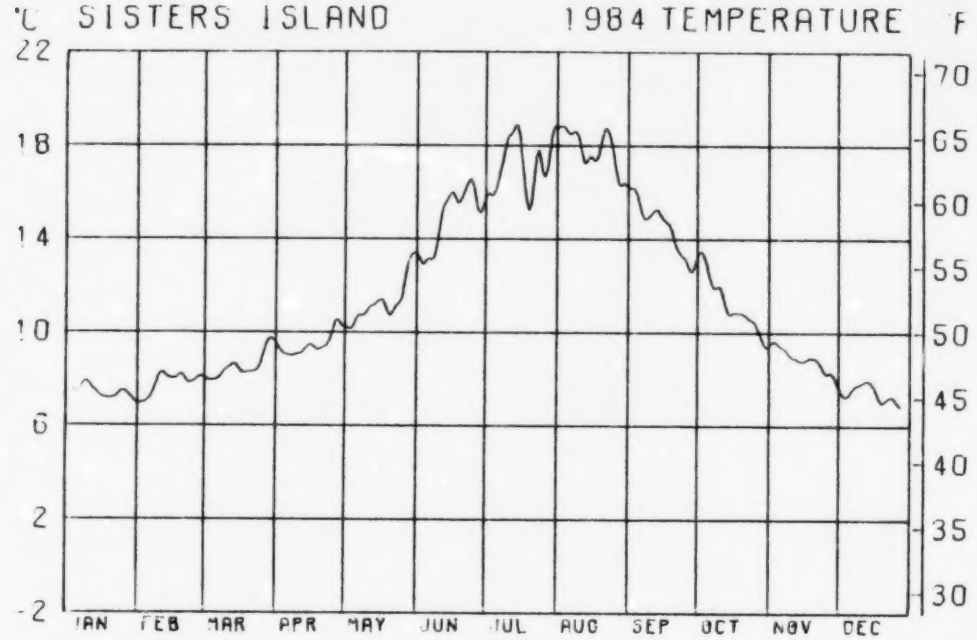
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC


°C SISTERS ISLAND 1984 TEMPERATURE F
22
18
14
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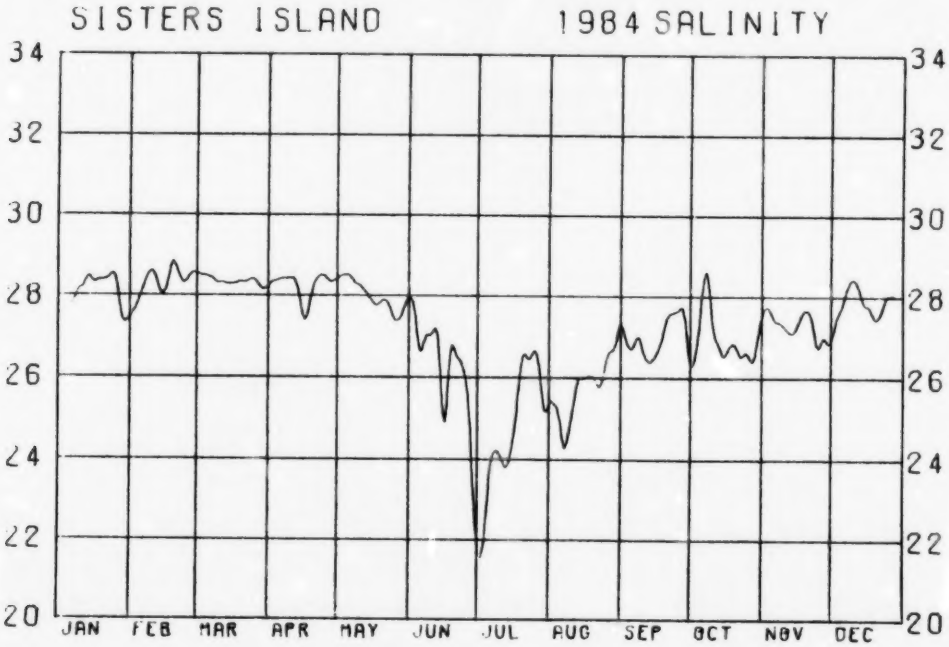
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC


SISTERS ISLAND 1984 SALINITY
34
32
30
28
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24
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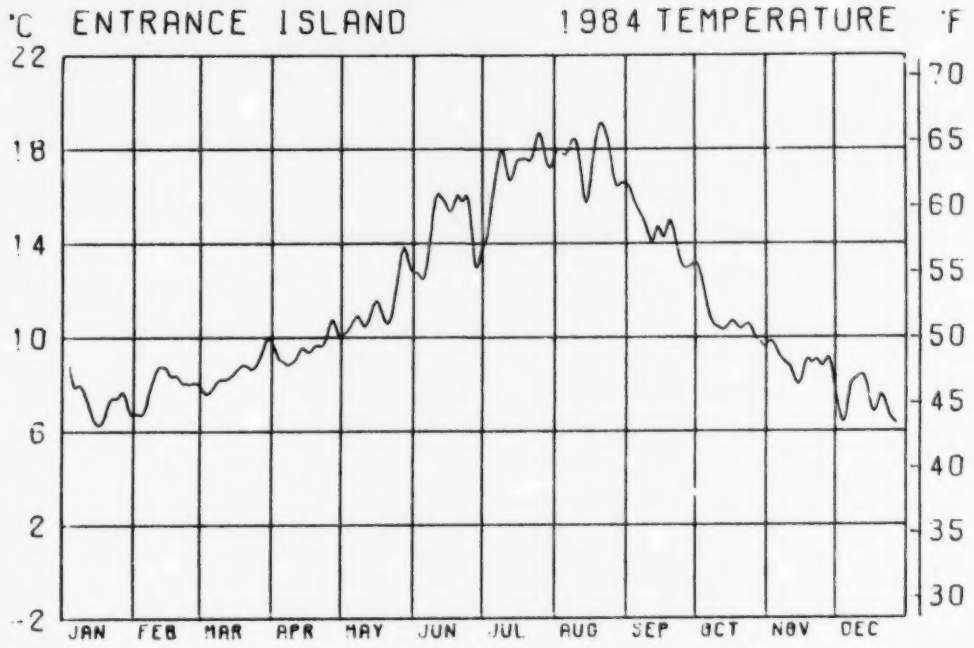
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC


°C ENTRANCE ISLAND 1984 TEMPERATURE °F
22
18
14
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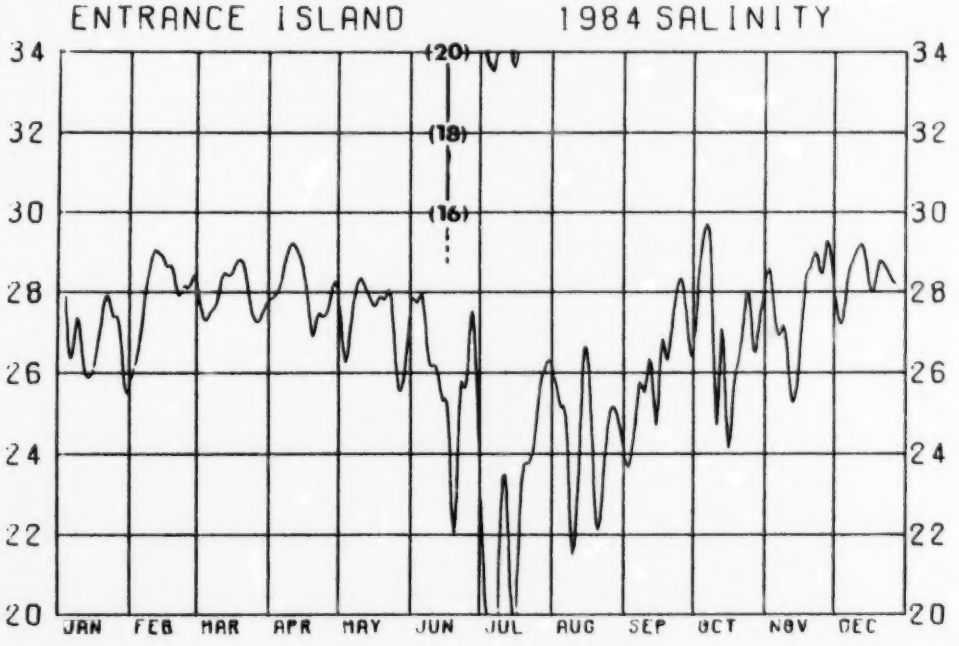
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC


ENTRANCE ISLAND 1984 SALINITY
34
32
30
28
26
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22
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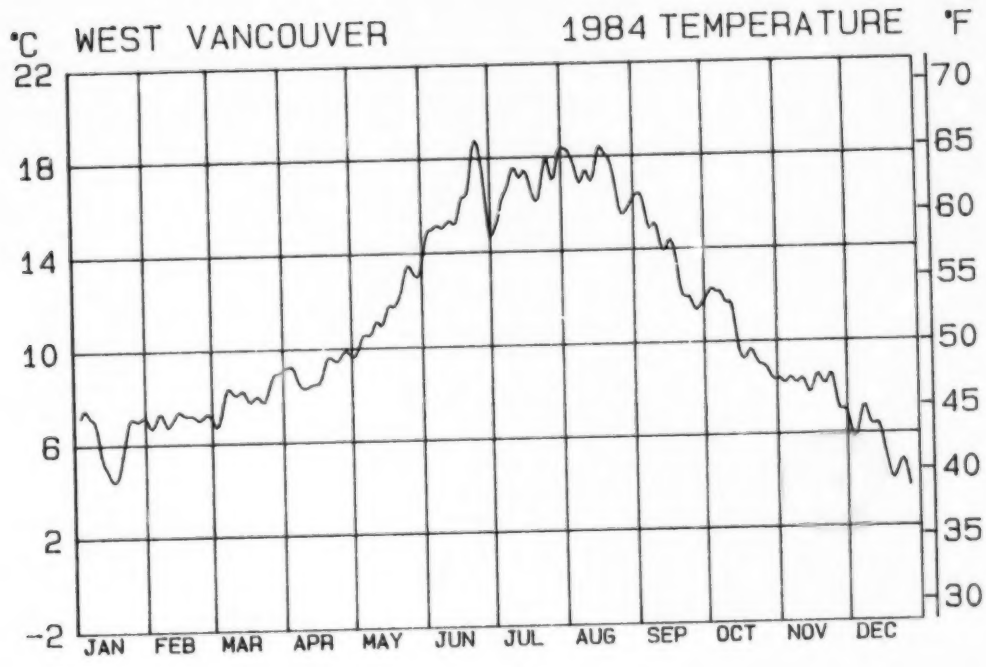
(20)
(18)
(16)
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC


°C WEST VANCOUVER 1984 TEMPERATURE °F
22
18
14
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6
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-2
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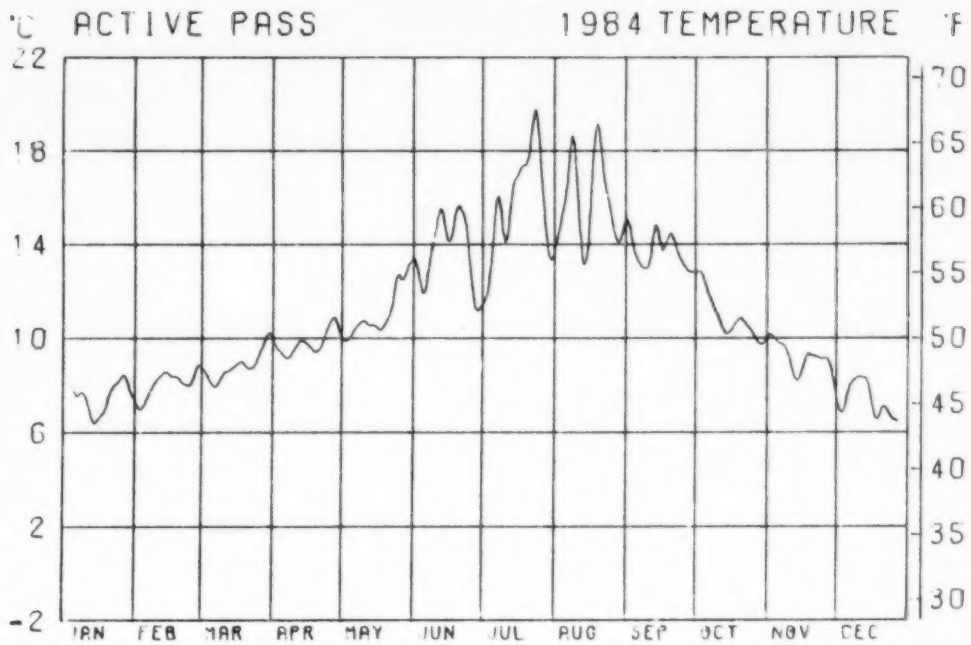
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC


°C ACTIVE PASS 1984 TEMPERATURE °F
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18
14
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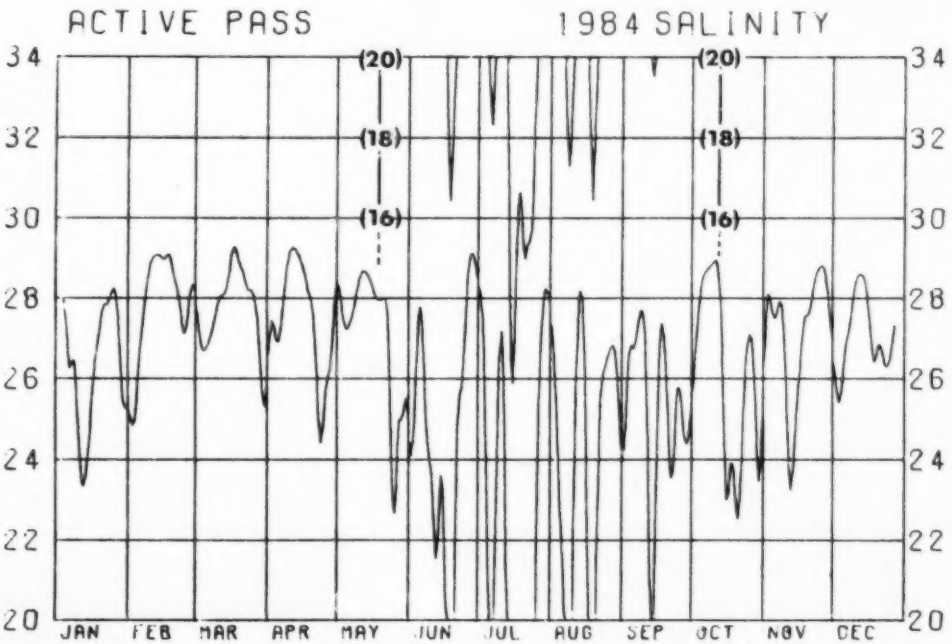
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC


ACTIVE PASS 1984 SALINITY
34
32
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28
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22
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(20)
(18)
(16)
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC